

EDUCATION SECTION

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Dates & Heading:

The date of your MIT Sloan degree is “2020 – Present” (not “2020 – 2021” since you haven’t graduated yet). Your heading is “MIT SLOAN SCHOOL OF MANAGEMENT” and your degree is “Candidate for Master of Business Analytics, Operations Research Center, August 2021.”

EXAMPLE:

MIT SLOAN SCHOOL OF MANAGEMENT	Cambridge, MA
<i>Candidate for Master of Business Analytics, Operations Research Center, August 2021</i>	2020 – Present

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Clubs & Activities:

MIT Sloan activities should be included as bullets below your degree (not at the bottom of your resume). We suggest listing no more than three (3) career-related clubs that are complementary.

Awards & Honors

Include academic awards you have received or for which you were a finalist. Make sure these awards are recognizable and/or quantifiable. For example:

- Recipient of Bob C. Smith Award for excellence in mathematics, awarded to top ten students out of 2000
- Recipient of XYZ Fellowship in recognition of academic and/or professional achievement

Other Degrees:

When including a degree, you must include all educational institutions where you completed coursework towards your degree (with the exception of study abroad, which can be included as a bullet point for that degree). If you were a transfer student, all institutions must be noted. If you graduated *summa/magna/cum laude*, include this in lower case italics after the degree.

EXAMPLE:

NEW YORK UNIVERSITY	Boston, MA
<i>BA in Economics and Mathematics, magna cum laud</i>	2009 – 2012
<ul style="list-style-type: none"> • Transferred from the Rose Hulman Institute of Technology (Fall 2009) • Study Abroad at Nanyang Technological University in Singapore (Spring 2011) 	

TECHNICAL SKILLS SECTION

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Technical Skills:

Include technical skills that are directly relevant to the positions that you are applying for and, if needed, the level of skill. Do not include basic Microsoft Office skills – these are assumed.

EXAMPLE:

- R, Julia, SAS, SQL, Python, Java, SPSS, MS Access, LaTeX

EXPERIENCE SECTION

Dates:

Dates are given as years only (“2018 – 2020”). Summer internships will be listed as “Summer 2020.” Capstone six-month internships will be listed by months “January – August 2020.”

Location:

U.S. locations are listed by city and state (e.g. Cambridge, MA). All other international locations are listed by city and country (e.g. Montreal, Canada).

Bullets & Action Verbs:

Work experience related to each particular role is listed in bullets directly below the title. All bullets should begin with an action verb (“Managed cross-functional team” vs. “Responsible for a cross-functional team”).

EXAMPLE:

DEUTSCHE BANK

New York, NY

Analyst Intern

Summer 2020

- Analyzed historical data to determine correlation of \$55B in retail loan defaults with key economic indicators

Action Learning Projects and Capstone Projects:

For A-lab, any other Action Learning assignments including Capstone projects, you **MUST** list **MIT SLOAN** as the employer but can include the company name alongside.

EXAMPLE:

MIT SLOAN / MORNINGSTAR

Cambridge, MA

Analytics Lab Team Member

Sep 2019-present

- Explored benefits and pitfalls of using Reinforcement Learning (RL) to imitate portfolio managers and implemented an open- source RL framework in Python based on pre-implemented Proximal Policy Optimization algorithms
- Created a RL environment with 500GB of relevant financial data and leveraged cloud computing (AWS) to scale-up preprocessing and model fitting

Research Assistance Projects:

Please state your RA with the name of your Professor as your title. Your RA can be stated as part of the MIT OPERATIONS RESEARCH CENTER or MIT SLOAN.

MIT OPERATIONS RESEARCH CENTER

Cambridge, MA

Research Assistant to Professor Dimitris Bertsimas

Sep 2019-present

- Applying predictive and prescriptive machine learning methods (logistic regression, optimal prescriptive trees, tensor learning) to electronic health record data to assist medical professionals with prescribing treatment to hypertensive patients

EXPERIENCE SECTION

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Company Descriptions:

If you worked at a company that is not easily recognized in your target market, include a brief one-sentence description below the company name.

Currency:

If your job search is focused on the U.S., translate all currency amounts to U.S. dollars and use “\$” preceding the number. Use “K” for thousands, “M” for millions and “B” for billions (e.g. \$50K).

Promotions & Multiple Jobs:

You can list multiple positions separately or indicate them under one heading.

EXAMPLE:

SKODA

Bratislava, Slovakia

Largest automobile manufacturer in Slovakia, with annual sales of \$5B

2014 – 2018

Senior Business Analyst (Promoted from Business Analyst 2016)

- Bullets relating to your work at Skoda

OR

SKODA

Bratislava, Slovakia

Largest automobile manufacturer in Slovakia, with annual sales of \$5B

2014 – 2018

Senior Business Analyst (2016 – 2018)

- Bullets relating to your work as Senior Business Analyst

Business Analyst (2014 – 2016)

- Fewer but various bullets relating to your work as Business Analyst

Highlighting Specific Technical Skills:

You can highlight specific technical skills used in a role alongside the title of the position to emphasize programming languages mastered or platforms used to accomplish tasks and achieve results. Or you can add it in the bullet.

EXAMPLE:

MIT SLOAN / STUBHUB

Boston, MA

Data Science Intern, Capstone Project (Python, SQL)

January - August 2021

- Bullets relating to your work at Stubhub

OR add technology in bullets

- Developed statistical model in SAS and R to predict buyers habits and presented results to senior leaders

Acronyms & Jargon:

Eliminate technical industry jargon or unfamiliar acronyms from your resume so it is easily understood by the reader (unless you are targeting the same industry).

Repetition & Punctuation:

Avoid repeating the same action verbs. It is up to you if you want to use periods at the end of your bullets. However, if you use them, be consistent. Either all or none of the bullets should have periods.

ADDITIONAL INFORMATION SECTION

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Languages:

We recommend including any foreign languages spoken in this section (to describe your level of fluency you can use: fluent, conversational or basic). Do not include English - it is assumed that because you attend a U.S. business school you are fluent in English.

Work Authorization:

If you have work authorization in the country where you are applying for a job and this is not evident from your resume, it is to your advantage to include a bullet with that information (e.g. "U.S. Permanent Resident").

Interests:

Share interests or hobbies that round out the picture of who you are, which you are able to easily discuss and in which you are active. Interesting information might be used by the interviewer as an ice-breaker or to build rapport. (Food and Wine, Exercise and Golf vs. Limitless Eater, Avid Hiker, Struggling Golfer)

LinkedIn:

You may include the URL to your LinkedIn profile page, but this is only recommended if you have achieved All-Star status. Make sure you have created a customized Public Profile URL, e.g. www.linkedin.com/in/yourname. This can be helpful if you have included professional publications, presentations or other media in your profile. (More LinkedIn tips are available on the CDO MySloan site.)

Personal Websites:

You may include personal websites that are actively maintained and professionally appropriate. Expect that if you include it, employers will visit the site and ask you about it during interviews.

FORMAT / TEMPLATE

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One Page:

Your resume must be one page only.

Font & Margins:

Keep the font (Times New Roman) and size (10pt.) that the template generates along with the margins for the Capstone Resume Book Format. If you have modified these areas, you will be asked to change it.

Employers & Schools:

The template will capitalize and bold your school's name and your employer's name – LEAVE them in this format.

SAMPLE 1

XX Street, Cambridge, Massachusetts 02139
(617) XXX-XXXX | email@mit.edu

EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT

Cambridge, MA

Candidate for Master of Business Analytics, Operations Research Center, August 2019

2018 - Present

- Relevant Coursework: Machine Learning, Analytics in Operation Management, Applied Probability, Optimization Method
- Marketing Manager of Analytics Career Night 2019

UNIVERSITY NAME

City, Country

Bachelor of Business Administration, Division of Technology Management

2012 - 2016

- Academic: 4.09/4.3 GPA, Top 13%; Presidential Award for 3 semesters; Recipient of Scholarship
- Study Abroad: one year exchange student program at North Carolina State University (Aug 2014 - May 2015)
- Activities: SAS Data Scientist Developing Program, Consulting Club, IBM Pathfinder Mentoring Program

TECHNICAL SKILLS

- R, Julia, SAS, SQL, Python, Java, SPSS, MS Access, LaTeX

EXPERIENCE

MIT SLOAN SCHOOL OF MANAGEMENT

Cambridge, MA

Research Assistant for Prof. Robert Freund and Prof. Vivek Farias (Python, Tensorflow, Keras)

2018 - Present

- Developing a new deep learning course for MBAs by researching state-of-the-art use cases in deep learning and artificial intelligence field, and creating slides explaining key ideas of algorithms to non-technical audience
- Composing hands-on exercises by preparing step-by-step codes and instructions through Google Colab notebooks

MIT SLOAN / GENERAL ELECTRIC

Cambridge, MA

Team Member, Reducing Unplanned Maintenance for Locomotives (R, H2O, Tableau)

Fall 2018

- Reduced unplanned maintenance through machine learning predictive models such as Neural Nets, Gradient Boosting Machine, and XGBoost with an estimate business impact up to \$2.2B
- Explored potential root causes for generalized unplanned maintenance by clustering and generating associating rules
- Handled and manipulated 8M+ rows of data across 4 tables with R and visualized exploratory data analysis on Tableau

SAS

Taipei, Taiwan

Senior Associate Analytical Consultant (Promoted from Associate Analytical Consultant 2017)

2016 - 2018

- Led end-to-end communication with clients including needs assessment meetings, projects discussion and updates, final presentation to steering committee, and workshops to execution teams
- Increased cross-selling and up-selling financial products by implementing an automated system that produces real-time recommendations to customers for a prominent bank
- Constructed customer value and frequent flyer behavior segmentation models using k-means clustering and provided engagement strategies for an international airline
- Supervised a junior consultant to develop data manipulation (ETL) scripts integrating data from three core systems, and built a predictive model that reached 3x lift over the former method to identify potential loyal customers

IBM

Research Triangle Park, NC

Software Intern, MobileFirst Tool Team (Java, Javascript)

Summer 2015

- Programmed test scripts in Java and executed various test suites to assure product quality
- Reproduced, investigated, and fixed command line defects
- Authored and updated knowledge center technical documentation for IBM MobileFirst 7.1.0 Cordova app

NC STATE / REVLON

Raleigh, NC

Team Member, Inventory Optimization Project

Spring 2015

- Conducted cost-benefit analysis, and developed Economic Order Quantity model to optimize inventory
- Projected potential savings of \$340K+ by delivering business process reengineering methods to reduce ordering costs and reconcile Minimum Order Quantity constraints

ADDITIONAL INFORMATION

- Certifications: SAS Certified Base Programmer (effective 2016); SAS Certified Predictive Modeler (effective 2017)
- Leadership: Captain of National Taiwan University Business Department Badminton Team
- Volunteer: Eden Volunteer Tutor; World Volunteer Service Club; International Student Information Service Club
- Interests: Enthusiastic dancer and choreographer (hip-hop, jazz, contemporary); award-winning badminton player

EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT Cambridge, MA
Candidate for Master of Business Analytics, Operations Research Center, August 2019 2018 – Present

- Relevant coursework: Machine Learning, Analytics of Operation Management, Applied Probability, Optimization Methods
- Machine Learning Project: Identifying patients most responsive to fibrinogen injection using Optimal Prescriptive Trees
- Corporate Relationships Manager for Analytics Career Fair

ÉCOLE POLYTECHNIQUE Paris, France
Master of Science in Engineering, Applied Mathematics, #1 Engineer School in France 2015 – 2018
Bachelor of Science in Engineering

- Relevant coursework: Machine Learning, Advanced Probability (modeling and simulation), Advanced Algorithmic
- Key contributor to research work on causal inference with Pr. Julie Josse and Dr. Sophie Hamada on topic of fibrinogen injection for patient survival in urgent care; work to be submitted to both medical and statistical journals
- Led team of 5 on project of clustering hospitals based on urgent care medical practice under supervision of Pr. Julie Josse
- Active member of boxing team and photography association

LYCÉE MICHEL DE MONTAIGNE Bordeaux, France
Mathematics, Physics and Computer Science 2012 – 2015

- Preparation study for highly selective entrance exams to Grandes Écoles
- Personal project: Modeled and solved problem of finding best spot for Wi-Fi emitter to maximize reception

TECHNICAL SKILLS

• Python, PyTorch, R, Julia, Git and server administration, LaTeX, Ocaml, SQL, Shellsript

EXPERIENCE

MIT SLOAN SCHOOL OF MANAGEMENT | BURNING GLASS TECHNOLOGIES Cambridge, MA
Analytics Lab Team Member 2018 – Present

- Leveraged cloud computing to process more than 400GB of raw text data
- Implemented state-of-the-art Natural Language Processing method to structure information in an unsupervised way
- Presented and discussed in depth results with CEO and data science team to help predict occupations of tomorrow

MIT SLOAN SCHOOL OF MANAGEMENT Cambridge, MA
Research Assistant 2018 – Present

- Scraped millions of pages of a social network using Selenium for stealth and Amazon Web Services to parallelize

BNP PARIBAS - ANALYTICS CONSULTING TEAM Paris, France
Data Scientist intern Apr – Aug 2018

- Outperformed by more than 45% deployed commercial solution for Optical Character Recognition (OCR)
- Initiated and developed an unsupervised generative modeling process removing cost of labelling real-life data to train a specialized OCR network by leveraging Generative Adversarial Networks; publication to be submitted to the 2019 International Conference on Document Analysis and Recognition
- Developed in PyTorch a fast, state-of-the-art, unconstrained OCR deep-learning network
- Collaborated with developers to build and deploy an API to process 10k documents each month

B-REPUTATION London, UK
Data Scientist Intern at a B2B Fintech Startup rating companies' online reputation Summer 2017

- Architected a data mining pipeline to get latest information on B-Reputation website for millions of French companies
- Collected and processed more than 20GB of text data in Python

GENDARMERIE NATIONALE Martinique, France
Officer Cadet Aug 2016 – Mar 2017

- Entrusted with an organizational study to better fight crime, resulted in a praised report delivered to senior leadership

ADDITIONAL INFORMATION

• Languages: French (Fluent); Spanish (Intermediate)
• Interests: Judo black belt, avid portrait and street photographer

SAMPLE 3

X Street, Cambridge, MA 02141
(617) XXX-XXXX | name@mit.edu

EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT

Cambridge, MA

Candidate for Master of Business Analytics, Operations Research Center, Aug 2019

2018 - Present

- Recipient of Research Assistantship in recognition of research achievements, advised by Prof. Tauhid Zaman
- Corporate Relationship Manager for 2019 MIT Analytics Career Night
- Courses: Machine Learning, Optimization Methods, Analytics Lab, Applied Probability and Stochastic Models

UNIVERSITY OF HONG KONG

City, Country

Bachelor of Business Administration in Finance and Accounting

2013 - 2017

- CGPA: 3.76/4.30 (top 5%), First Class Honors, Overseas Exchange Scholarship for academic excellence
- Studied abroad at Massachusetts Institute of Technology: Fall 2017, GPA: 5.0/5.0
- Studied abroad at Boston College: Fall 2015, GPA: 3.8/4.0
- Analytics on MIT subject evaluation dataset: regressions, social network analysis and simulation (Python, Selenium, R)
- Courses: Stochastic Model in Business Analytics, Python, Linear Algebra, Differential Equation, Econometrics

EXPERIENCE

MIT SLOAN / ACADEMIC RESEARCH

Cambridge, MA

Research Assistant, The Impact of Bots on Brexit Opinions in Social Networks (Python, SQL, API, UNIX)

Fall 2018

- Mined 10M+ Brexit-related tweets including 1M+ unique users with Twitter API; restructured 7GB database using SQL to facilitate opinion analysis
- Labelled 333K+ tweets from 25K users with 50 polarized keywords to build ground truth; constructed a Neural Network with 84% accuracy (+33% from baseline) to predict Brexit polarity of tweets and users

MIT SLOAN / SCHNEIDER ELECTRIC

Cambridge, MA

Member of Data Analytics Team, Production Configuration through Machine Learning (Python, scikit-learn)

Fall 2018

- Cleaned, mapped and organized one-year switch board configuration data (80K+ rows, 106 features) from HTML to csv
- Customized algorithm architecture incorporating KNN, probabilistic model, CART, Random Forest, iterative approach and parameter control to facilitate model training, process management and performance measurement
- Achieved 95% accuracy; expected to save 5K+ sales people 90% quoting time for switch board

MIT / TEAM PROJECT: BASEBALL ANALYTICS USING MACHINE LEARNING

Cambridge, MA

Team Member, Fantasy Baseball Focused (Python, Julia, UNIX)

Fall 2018

- Predicted athlete performance and line-up ownership using 2015-2017 athlete data and game data (160K+ entries) with Optimal Regression Tree, CART, Random Forest and Neural Network
- Optimized lineup selection using Mixed Integer Optimization with specially designed objective and selection rules

J.P. MORGAN

Hong Kong

Summer Analyst, Private Banking Division, Investment Research and Client Relationship Management

Summer 2017

- Summarized overnight markets and pitched 5 investment ideas including private equity funds, hedge funds, and single stocks in morning huddles; answered Q&A from 10+ investors
- Pitched JPM and a hedge fund to senior management team with less than 12 hours of preparation time as final assessment; commended by China team head and intern manager as giving the best pitch among intern group

BDA PARTNERS

Hong Kong

Analyst Intern, M&A Advisory Team, Consumer and Retail Industry Coverage

Jan 2016 - Jul 2016

- Performed valuation analysis, identified potential buyers, contributed to positioning strategy, conducted in-depth industry research and prepared pitch books for 10+ Mergers & Acquisitions deals
- Selected Transactions: sale of a Vietnam-based premium furniture manufacturer (~\$70M); sale of an Australian auto accessory manufacturer (~\$130M); private equity exit of a China-based casual dining chain operator

ADDITIONAL INFORMATION

- Technical Skills: Python (Selenium, TensorFlow, scikit-learn, Pandas, NumPy) , Julia, R, UNIX, SQL
- Language: Mandarin (Fluent), Cantonese (Conversational)
- Interests: Fashionaholic, Semi-Pro Ballet Dancer (10-year), Food Enthusiast, Animal Rescue Lover, Avid Skateboarder

SAMPLE 4
XX Street
Cambridge, Massachusetts 02141
(617) XXX-XXXX | email@mit.edu

EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT Cambridge, MA
Candidate for Masters of Business Analytics, Operations Research Center, Aug 2019 2018 - Present

- Relevant Coursework: Machine Learning, Applied Probability, Optimization Methods
- Member of the Sports Analytics Club, Brazilian Club, and MIT Sloan Hockey team

UNITED STATES MILITARY ACADEMY AT WEST POINT West Point, NY
Bachelor of Science in Mathematics and Portuguese 2015 - 2018

- Focus in Applied Mathematics and Cyber Security
- Superintendents Award for Excellence: Top 5% of cadets
- Portuguese Club President: transitioned 24 Brazilian cadets to life at West Point

TECHNICAL SKILLS

- Proficient in MySQL, Python, R, MatLab, Julia, VBA, Access, Mathematica

EXPERIENCE

UNITED STATES ARMY 2014 - Present
2nd Lieutenant

- Received award for best Company as the leader of 168 cadets through Cadet Basic Training
- Exchange Trainee at Academia Militar das Agulhas Negras, Resende, Brazil
- Presented network analysis to the TRADOC Commander that provided the optimal tasks for units to train
- Predicted US Army recruit injuries from body scans with 80% accuracy with a deep learning model that was showcased to the Commanding General at Fort Jackson

MIT SLOAN | US ARMY | LINCOLN LABORATORY Lexington, MA
Military Liaison 2018 - Present

- Implemented an optimized vendor selection program utilizing laboratory wide data.
- Advised research projects to make innovative technology more effective in a military setting

MIT SLOAN | LINEAGE LOGISTICS Cambridge, MA
Analytics Lab Team Member Sep 2018 - Present

- Optimized shipping lanes to lower the number of outbound delivery trucks by 20%
- Developed a predictive classification algorithm to determine when a warehouse is at high or low demand for shipments

HARVARD SCHOOL OF ENGINEERING AND APPLIED SCIENCES Cambridge, MA
Assistant Researcher May 2016 - Aug 2016

- Created linear regression model to determine how military bandage porosity, density, and strength are effected by nano-fiber spin settings

ADDITIONAL INFORMATION

- Languages: Professionally Proficient in Portuguese
- Interests: Have the worst luck in Fantasy Football, Go Army! Beat Navy!

SAMPLE 5
XX Street.
Cambridge, MA 02139
(617) XXX-XXXX | email@mit.edu

EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT

Cambridge, MA
2018-Present

Candidate for Master of Business Analytics, Operations Research Center, August 2019

- Awarded Dean's Fellowship for outstanding academic record and professional promise
- Relevant Coursework: Machine Learning, Optimization Methods, Applied Probability and Stochastic Models
- Research Assistantship: Designing projects for undergraduate optimization class taught by Dr. James Orlin

UNIVERSITY OF MASSACHUSETTS AMHERST

Amherst, MA
2015-2018

Bachelor of Science in Civil Engineering, Minor in Mathematics, summa cum laude, GPA: 3.94/4.00

- Honors Thesis: "Optimal Network Design for Unmanned Aerial Vehicle-Based Transportation Systems"
- Commonwealth Honors College Scholar with Greatest Distinction, awarded in recognition of excellent GPA and thesis
- Resident Assistant in upperclassmen dormitory, summer orientation leader for incoming freshmen
- Transferred from the University of Connecticut (Fall 2015)

TECHNICAL SKILLS

- Python, R, Julia, MATLAB, SQL, ArcGIS, UNIX, VB, Java

EXPERIENCE

MIT SLOAN | COLLEGE PULSE

Cambridge, MA
Fall 2018

Analytics Lab Team Member

- Analyzing 4,500 survey questions answered by over 100,000 college students to find factors predictive of depression
- Leveraging R to clean data and construct statistical models for predicting depressive tendencies

INCOM, INC.

Charlton, MA
Summer 2018

Project Management Intern

- Performed statistical quality control analyses of new fiberglass products which led to the identification of systematic human errors in the production process
- Analyzed historical production time data to improve accuracy of production time estimates by several hours
- Introduced Visual Basic code to automate daily production scheduling based on work-in-progress reports

UNIVERSITY OF MASSACHUSETTS AMHERST

Amherst, MA
2015-2018

Researcher for Dr. Daiheng Ni, Department of Civil and Environmental Engineering

- Published two academic papers as lead author in Transportation Research Record journal
- Coded MATLAB simulation to compare safety and efficiency of air traffic organization algorithms, improving run time over present methods by up to 88%
- Formulated data-driven methodology for optimal route planning in an automated drone-based delivery system

UNIVERSITY OF TEXAS AT AUSTIN

Austin, TX
Summer 2017

Center for Transportation Research Intern

- Developed routing algorithm for monitoring traffic with aerial drones after a natural disaster
- Studied and compiled review of literature on Kalman filtering and stochastic network routing
- Simulated traffic flow within a network of stoplight intersections using Python

UNIVERSITY OF MASSACHUSETTS AMHERST

Amherst, MA
Spring 2017

Tripod Project Researcher, Department of Civil and Environmental Engineering

- Cross-collaborated with team of UMass and MIT researchers on development of a smartphone application incentivizing sustainable travel decisions
- Produced UNIX shell scripts to streamline extraction of relevant data from experiment outcome databases

ADDITIONAL INFORMATION

- Member of MIT Sloan Tech Club, Microbrewing Club, Rolling Sloans rock band (keyboard player and singer)
- Served as president and director of undergraduate acapella group, directed musical comedy "Starmites" in 2016, and have acted in 10 plays and musical theater productions since high school

SAMPLE 6
XXX Albany Street
Cambridge, MA 02139
XXX- XXX-XXXX | email@mit.edu

EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT Cambridge, MA
Candidate for Master of Business Analytics, Operations Research Center, August 2020 2019 - Present

- Relevant coursework: Machine Learning, Optimization Methods, Analytics Lab, Analytics Edge, From Analytics to Action
- Machine Learning project: Optimizing the supply imbalance in SF bike sharing platform using ML and Optimization
- Analytics project: Predicting the first country of booking for AirBnB users using Random Forests and Boosted Trees
- Leadership: Branding and Marketing Manager for MIT Analytics Career Fair 2020

ERASMUS UNIVERSITY ROTTERDAM Rotterdam, Netherlands
Bachelor of Science in Economics 2016 - 2019

- Graduated top 3% of the class, equivalent U.S. GPA: 4.0/4.0
- Certificate in Machine Learning from Stanford University (online course); applied ML methods in MATLAB, scored 98%
- Research Talent Award 2019 for econometric analysis of asylum seekers on unemployment; placed 1st out of 50 teams
- Leadership: Secretary of Eastern European Student Association; organized 25 cultural/educational events for 150 members

TECHNICAL SKILLS

- Programming (Python, R), Optimization (Julia), Database (SQL), Analytics (MATLAB, STATA, SPSS)

EXPERIENCE

MIT SLOAN / ACCENTURE Cambridge, MA
Analytics Lab Project Team Member Fall 2019

- Analyzed 3.5M corporate jet flights to predict M&A activity for 3,000 world largest firms over past 10 years
- Engineered new features for modeling flight patterns using geo-space, time-series data in Python
- Applied optimal trees, CART, random forests and boosted trees to predict over 350 M&A events; achieved AUC of 0.85
- Partnered with the Director of Analytics at Eaton Vance and COO of Paragon Intel (project partners)

PRICEWATERHOUSECOOPERS (PWC) Amsterdam, Netherlands
Chief Economist Office Intern Aug - Nov 2018

- Forecasted demand for industrial hydrogen until 2030 for Northern Europe; ran sensitivity analysis varying price of CO2
- Conducted interviews with industry experts and synthesized input of 12 leading oil & gas and energy infrastructure firms
- Co-wrote a report for the World Energy Council, published in Feb 2019 and presented to 300 industry executives
- Recognized a team skill improvement area, recommended weekly R coding sessions and supported with learning material

ERASMUS UNIVERSITY ROTTERDAM Rotterdam, Netherlands
Teaching Assistant for Methods & Techniques 2017 - 2019

- Instructed tutorials to three groups of 20-25 people, graded assignments and provided feedback on research papers
- Appointed to teach Econometric Methods after received a maximum score by the Dean of School of Economics
- Focused on (logistic) regression, ARMA/GARCH time-series and causal instrumental variables analysis
- Taught SQL & Advanced Excel, Organization & Strategy and Research Skills for the academic year 2017 - 2018

TUTOR.ME Rotterdam, Netherlands
Co-founder and Operations Manager Sep - Dec 2018

- Launched a tutoring platform for economics and econometrics students with a focus on personal approach to each student
- Hired 12 tutors, coordinated five exam preparations in two months, connected over 40 clients, directed branding of platform

ADDITIONAL INFORMATION

- Languages: Russian (fluent), German (conversational), Romanian (conversational), Dutch (basic)
- Interests: Early-morning runner, Dilettante video maker, Cognitive science explorer

SAMPLE 7

(XXX) XXX-XXXX | email@mit.edu

EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT

Cambridge, MA

Candidate for Master of Business Analytics, Operations Research Center, August 2020

2019-Present

- Relevant Coursework: Machine Learning, Optimization Methods, Analytics Edge
- Projects: Using multi-objective optimization to ensure equity when prioritizing buildings for seismic reinforcement in resource-constrained settings; Developing mixed-integer optimization formulations for outlier detection and censorship

STANFORD UNIVERSITY

Stanford, CA

Master of Science in Structural Engineering, GPA: 3.82

2012-2014

- Relevant Coursework: Probabilistic Modeling, Earthquake Hazard and Risk Analysis, Nonlinear Structural Analysis

THE JOHNS HOPKINS UNIVERSITY

Baltimore, MD

Bachelor of Science in Civil Engineering, GPA: 3.77

2008-2012

- Recipient of The Gerard H. Schlimm Award for Exceptional Accomplishments in Civil Engineering (top Civil Engineering student) and The National Capital Chapter & Maryland Chapter of the American Concrete Institute Award of Excellence
- Tau Beta Pi, National Society of Collegiate Scholars, Omicron Delta Kappa, Membership Director of the Phi Mu Sorority

TECHNICAL SKILLS

- R, Python, Julia, SQL, Matlab, VBA, Google Apps Script, Google Analytics, STAT (SEO)

EXPERIENCE

MIT SLOAN SCHOOL OF MANAGEMENT | TRIPADVISOR/VIATOR

Cambridge, MA

Analytics Lab Team Member

2019-Present

- Utilizing product feature matching and natural language processing techniques in Python to automate tour and activity tagging on TripAdvisor's Viator platform, enabling enhanced customer targeting schemes

MIT OPERATIONS RESEARCH CENTER

Cambridge, MA

Research Assistant to Professor Dimitris Bertsimas

2019-Present

- Applying predictive and prescriptive machine learning methods (logistic regression, optimal prescriptive trees, tensor learning) to electronic health record data to assist medical professionals with prescribing treatment to hypertensive patients

MUSE PAINTBAR

New York, NY

Director of Analytics

2016-2019

- Conceptualized, developed, and managed a key performance indicator (KPI) reporting process and led monthly KPI calls with CEO and Corporate Management to provide data-driven insight on approximately 30 metrics
- Built multiple regression models to predict demand for painting classes to improve class scheduling across all 30 locations
- Performed sentiment analysis and developed an interpretable classification model in Python (attaining 87% accuracy) for customer feedback, enabling managers to improve customer retention strategies

SILMAN

Washington, DC

Structural Engineer

2015-2016

- Conducted a performance-based fire engineering analysis to evaluate the structural integrity of a Smithsonian museum
- Designed gravity and lateral systems for historic and modern steel, concrete, masonry, and wood-framed structures

FORELL/ELSESSOR ENGINEERS

San Francisco, CA

Structural Designer

2014-2015

- Performed Tier 1 evaluations of 20 private schools and authored structural deficiency reports for the City of San Francisco
- Created a time-history loading model in ETABS to assist with the progressive collapse analysis of a U.S. Naval base

THE JOHNS HOPKINS UNIVERSITY DEPARTMENT OF CIVIL ENGINEERING

Baltimore, MD

Research Assistant and Independent Researcher

2010-2012

- Produced simulations to study effects of building damage and social behavior on human evacuation during a seismic event

ADDITIONAL INFORMATION

- Certifications: Certified Engineer-in-Training in the State of Maryland, April 2012
- Interests: Creating city-centric restaurant dining guides for friends and family, painting custom pet portraits

SAMPLE 8

XXX Memorial Drive , Cambridge, MA 02139
(XXX) XXX-XXXX | email@mit.edu

EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT

Cambridge, MA

Candidate for Master of Business Analytics, Operations Research Center, August 2020

2019 - Present

- Coursework: Machine Learning, Optimization, Analytics Edge, Analytics Lab
- Corporate Relations Manager of 2020 MIT Analytics Career Night

IOWA STATE UNIVERSITY

Ames, IA

B.S. Industrial Engineering

2016 - 2019

- Teaching assistant for industrial engineering course focused on Solidworks, industrial machining, and metrology, taught students how to use lathes, mills, 3D printers, and CNC machines
- Involvement: Institute of Industrial & Systems Engineers, Tau Beta Pi - Engineering Honor Society, Alpha Pi Mu - Industrial Engineering Honor Society, Quizbowl Team, Sports Analytics Club, Freshman Council

TECHNICAL SKILLS

- Technical Skills: R, SQL, VBA, Julia/JuMP, MATLAB, Gusek, Octave, AutoCAD, SIMIO, JMP, SOLIDWORKS

EXPERIENCE

MIT SLOAN/AB INBEV

Cambridge, MA

Analytics Lab Project Team Member

Fall 2019

- Analyzed customer sales data with clustering in R to segment UK market with aim of maximizing AB InBev growth
- Prescribed product portfolios recommendations for segmented market by classifying high performers within each cluster

UPS

Omaha, NE

Industrial Engineering Intern

Summer 2019

- Proposed a project to save over \$200k yearly by reaching out to package sorters and drivers to reduce package handles
- Presented findings to the Industrial Engineering Dept. on a nationwide level, proposal was passed to next phase of lifecycle
- Built a data visualization tool in VBA to better understand delivery patterns during peak season where service rates increase by 100%, trained manager on use of tool

PROCTER & GAMBLE

Iowa City, IA

Manufacturing Engineering Intern

Summer 2018

- Directed and secured funding for a \$50k project focused on implementing new safety equipment used site-wide
- Reduced losses by 50% during changeovers by leveraging technician's mastery and lean manufacturing tools such as yamazumi charts to create and implement standard work procedures
- Saved 500 hours of manager time annually by developing a program in VBA, trained managers on use of program

IOWA STATE UNIVERISTY

Ames, IA

Undergraduate Research Assistant

Fall 2017 - Spring 2019

- Conducted research on Machine Vision Systems and 3D printers in Flexible Electronics and Additive Printing Laboratory
- Co-authored one conference publication and one journal publication on Machine Vision Systems
- Presented at the 2018 National Conference for Undergraduate Research, Research in the Capitol, and ISU Research Symposium; received Best Overall Undergraduate Poster Award at ISU IMSE Research Symposium

GALLUP

Omaha, NE

System Application Developer Intern

Summers 2015, 2016, 2017

- Led a team of four other interns in creation of Gallup's internal web application for intern assignments utilizing HTML, CSS, JavaScript, C#, and Python
- Applied agile development methodology to redesign Gallup's internal physical wellbeing website used by 1,500 employees

ADDITIONAL INFORMATION

- Certifications: IISE Six Sigma Green Belt, Certified SOLIDWORKS Associate
- Interests: Proud owner of a 15 passenger van, avid arcade game player, less avid golfer, MIT MBAn Fantasy Basketball League Manager