Mai Nguyen

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Education

Massachusetts Institute of Technology (MIT) — **Cambridge, MA**
*Candidate for B.S. in **Mathematics with Computer Science, GPA: 4.6/5*** — Class of 2023
- Relevant coursework: Linear Algebra, Numerical Computation, Probability and Random Variables

Work Experience

Machine Learning Intern — **Cambridge, MA**
Griiip — Jan 2021 - Mar 2021
- Built machine learning models to predict race cars' performance with 86% accuracy
- Optimized AWS Lambda functions to migrate data to MySQL and decreased execution time by 24%
- Worked with Python, pandas, scikit-learn, MySQL, and AWS Sagemaker

Junior Data Engineer — **Hanoi, Vietnam**
FPT Software — Oct 2020 - Jan 2021
- Developed AWS Lambda functions to process 10+ GB csv files prior to storing in S3
- Created 3 AWS Cloudformation templates for Singapore Airlines' data pipelines
- Worked with Python, pandas, NumPy, and JSON

Data Science Intern — **Cambridge, MA**
MIT Department of Earth, Atmospheric. and Planetary Sciences — Jun 2020 - Sep 2020
- Performed spatial analysis on datasets and digital maps of 6000+ large volcanic eruptions
- Worked with Python, pandas, NumPy, and ArcGIS

Research and Development Intern — **Ahmedabad, India**
Saathi Eco Innovations — Jun 2019 - Aug 2019
- Developed model to forecast product environmental impact through 2023

Projects

Soccer Betting Model — **March 2021**
https://github.com/nguyenm2151/Citadel-Regional-EastCoast
- Developed a model to bet on soccer matches' outcomes
- The model generated a 9% return over 2011 bets on major soccer betting sites

Personal Website — **September 2020**
https://nguyenm2151.github.io/website/
- Built personal website using HTML, CSS and Javascript
- Developed an inbox which automatically send users' messages as an email to Google Gmail

Food Map — **August 2020**
https://nguyenm2151.github.io/food-map/
- Built an interactive food map to recommend restaurants based on travelers' locations using Google Maps API

Skills

Programming Languages: Python, Java, SQL, HTML, JavaScript, CSS, MATLAB
Frameworks/Tools: AWS Lambda, DynamoDB, MySQL, Git, Pandas, scikit-learn