Mai Nguyen

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Education

Massachusetts Institute of Technology (MIT)   Cambridge, MA
*Bachelor of Science in **Mathematics with Computer Science**,* GPA: 4.6/5   June 2023
- Awards: Facebook Data Challenge Finalist, Google Conference Scholarship

Experience

Google Summer of Code   Mountain View, CA
Student Software Developer   June 2021 - Aug 2021
- Collaborate with MGGG Redistricting Lab on open-source tool for building districting plans
- Build statistical suite to confirm the accuracy of Markov Chains model

Serenno Medical   Cambridge, MA
Software Developer Intern   May 2021 - July 2021
- Design algorithm for medical device detecting kidney failure in patients
- Test algorithm on clinical trial data from 120 patients

Griiip   Cambridge, MA
Machine Learning Intern   Jan 2021 - Mar 2021
- Built machine learning model to predict motorsports racing outcome with 86% accuracy
- Optimized Lambda functions migrating racing data from DynamoDB to MySQL to decrease runtime by 24%

FPT Software   Hanoi, Vietnam
Junior Data Engineer   Oct 2020 - Dec 2020
- Developed AWS Lambda functions to process 10+ GB files prior to storing in S3
- Implemented new functions in data pipeline to decrease files processing time by 42% and error rate by 38%

Projects

Soccer Betting Model (Citadel Datathon)   March 2021
https://github.com/nguyenm2151/Citadel-Regional-EastCoast
- Developed model to bet on soccer matches for Citadel's Regional East Coast Datathon
- Generated 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 to send website visitors' inquiries as an email to Google Gmail

Skills

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