

Mai Nguyen

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Education	Massachusetts Institute of Technology (MIT) <i>Candidate for B.S. in Mathematics with Computer Science, GPA: 4.6/5</i> <ul style="list-style-type: none">Relevant coursework: Linear Algebra, Numerical Computation, Probability and Random Variables	Cambridge, MA Class of 2023
Work Experience	Machine Learning Intern <i>Griip</i> <ul style="list-style-type: none">Built machine learning models to predict race cars' performance with 86% accuracyOptimized 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 <i>FPT Software</i> <ul style="list-style-type: none">Developed AWS Lambda functions to process 10+ GB csv files prior to storing in S3Created 3 AWS Cloudformation templates for Singapore Airlines' data pipelinesWorked with Python, pandas, NumPy, and JSON Data Science Intern <i>MIT Department of Earth, Atmospheric, and Planetary Sciences</i> <ul style="list-style-type: none">Performed spatial analysis on datasets and digital maps of 6000+ large volcanic eruptionsWorked with Python, pandas, NumPy, and ArcGIS Research and Development Intern <i>Saathi Eco Innovations</i> <ul style="list-style-type: none">Developed model to forecast product environmental impact through 2023	Cambridge, MA Jan 2021 - Mar 2021 Hanoi, Vietnam Oct 2020 - Jan 2021 Cambridge, MA Jun 2020 - Sep 2020 Ahmedabad, India Jun 2019 - Aug 2019
Projects	Soccer Betting Model <i>https://github.com/nguyenm2151/Citadel-Regional-EastCoast</i> <ul style="list-style-type: none">Developed a model to bet on soccer matches' outcomesThe model generated a 9% return over 2011 bets on major soccer betting sites Personal Website <i>https://nguyenm2151.github.io/website/</i> <ul style="list-style-type: none">Built personal website using HTML, CSS and JavascriptDeveloped an inbox which automatically send users' messages as an email to Google Gmail Food Map <i>https://nguyenm2151.github.io/food-map/</i> <ul style="list-style-type: none">Built an interactive food map to recommend restaurants based on travelers' locations using Google Maps API	March 2021 September 2020 August 2020
Skills	Programming Languages: Python, Java, SQL, HTML, JavaScript, CS, MATLAB Frameworks/Tools: AWS Lambda, DynamoDB, MySQL, Git, Pandas, scikit-learn	