

Mai Nguyen

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Education	Massachusetts Institute of Technology (MIT)	Cambridge, MA
	<i>Candidate for B.S. in Mathematics with Computer Science, GPA: 4.6/5</i>	Class of 2023
	<ul style="list-style-type: none">Awards: Facebook Data Challenge Finalist, Google Conference Scholarship	
Work Experience	Google Summer of Code	Mountain View, CA
	<i>Student Software Developer</i>	June 2021 - Aug 2021
	<ul style="list-style-type: none">Collaborate with MGGG Redistricting Lab on open-source tool for building districting plansBuild statistical suite to confirm the accuracy of Markov Chains model	
	Serenno Medical	Cambridge, MA
	<i>Software Developer Intern</i>	May 2021 - July 2021
	<ul style="list-style-type: none">Design algorithm for medical device detecting kidney failure in patientsTest algorithm on clinical trial data from 120 patients	
	Griiip	Cambridge, MA
	<i>Machine Learning Intern</i>	Jan 2021 - Mar 2021
	<ul style="list-style-type: none">Built machine learning model to predict racing outcome with 86% accuracyOptimized Lambda functions to migrate data from DynamoDB to MySQLDecreased functions' runtime by 24%	
	FPT Software	Hanoi, Vietnam
	<i>Junior Data Engineer</i>	Oct 2020 - Jan 2021
	<ul style="list-style-type: none">Developed AWS Lambda functions to process 10+ GB csv files prior to storing in S3Decreased files processing time by 42% and error rate by 38%Created 3 AWS Cloudformation templates for Singapore Airlines' data pipelines	
Projects	Soccer Betting Model (Citadel Datathon)	March 2021
	<i>https://github.com/nguyenm2151/Citadel-Regional-EastCoast</i>	
	<ul style="list-style-type: none">Developed model to bet on soccer matches for Citadel's Regional East Coast DatathonGenerated 9% return over 2011 bets on major soccer betting sites	
	Personal Website	September 2020
	<i>https://nguyenm2151.github.io/website/</i>	
	<ul style="list-style-type: none">Built personal website using HTML, CSS and JavascriptDeveloped an inbox to send website visitors' inquiries as an email to Google Gmail	
	Travel Food Map	August 2020
	<i>https://nguyenm2151.github.io/food-map/</i>	
	<ul style="list-style-type: none">Built interactive map recommending restaurants based on locations with Google Maps API	
Skills	Programming Languages: Python, SQL, HTML, JavaScript, CSS, MATLAB Frameworks/Tools: AWS Lambda, DynamoDB, MySQL, Git, Pandas, scikit-learn	