AMY GEMME

Berkeley, CA 94702 | Phone: 510 410 4963 | Email: domathlikearockstar@gmail.com
LinkedIn: https://www.linkedin.com/in/agemme/ | Github: https://github.com/amygemme81

SUMMARY

Advanced degree holder in Applied Mathematics with a 3.6/4.0 GPA and passing all 4 capstone exams on the first attempt, including a perfect score on the entire linear programming exam, and perfect or near perfect (19/20) on at least 1 out of 3 problems on all other exams (probability, applied analysis, numerical analysis). Robust background in academia and as an educator and entrepreneur. MA course work included but not limited to, optimization (simplex, Dijkstra), numerical analysis (Error approx. Tyler's Theorem, Big Oh, Newton's method), Cryptography (enciphering, public key cryptosystems). Seeking internship or entry level engineering or research position with challenging work that utilizes my strong mathematics background.

EDUCATION

Full Stack Web Development: UC Berkeley Extension, Berkeley, CA
A 12-week intensive program focused on gaining technical programming skills in HTML, CSS, JavaScript, React, SQL, Firebase, Mongo-Mongoose, Github and Heroku deployment

MA Applied Mathematics: CSU East Bay, Hayward, CA (expected graduation June 2019)

BA Pure Mathematics: University of Iowa, Iowa City, IA

TECHNICAL SKILLS

Advanced Knowledge: Optimization, Cryptography, Probability, Game Theory, Analysis
Tools: GitHub, Heroku, MYSQL Workbench, Robo 3T, SQL, Firebase, Mongo-Mongoose
Experienced: C++, JavaScript, NodeJS, Express, Handlebars, React, HTML/CSS

PROJECTS

Gold | **Link to Github** | **https://amygemme81.github.io/GoldApp/**
- Gold is an application where users can get real time data on cryptocurrency prices as well as create an account to start buying and selling popular coins.
- Front-End Engineer, Database/logic engineer, Gold Theme Design
- React, Context library, Mongo/mongoose, NodeJS, JavaScript, API query

Data Scraper | **Link to Github** | **https://amygemme81.github.io/Scrape-News/**
- App scrapes data from NPR and post the headlines and short description of the story
- Full-Stack Engineer, Architect
- MYSQL, HTML, CSS, JavaScript, NodeJS, Express, Handlebars

RELEVANT EXPERIENCE

Consultant - SIX NINES IT - 2018
Six Nines IT assist companies who are migrating data to the AWS cloud. I was hired as a consultant to assist the engineering team in optimizing their profit model with the constraints based on AWS pricing, average customer needs and their personal contract with Amazon.

Employed at various tutoring agencies, test prep centers, private high schools and colleges as a tutor and teacher from 2001-2018. Additional experience in Technical Support.