

AMY GEMME

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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 software development 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

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

TECHNICAL SKILLS

Advanced Knowledge: Optimization, Cryptography, Probability, Game Theory, Data Analysis

Tools: GitHub, Heroku, MYSQL Workbench, Robo 3T, SQL, Firebase, Mongo-Mongoose

Experienced: C++, JavaScript, JQuery, NodeJS, Express, Handlebars, React, HTML/CSS

SOFT SKILLS

Ability to work alone and in teams, Curious, Intelligent, Articulate, Public Speaking, Research, Analytical, Deep Thinker, Detail Oriented and Focused on the Big Picture, Fast Learner

PROJECTS

Math Trivia Game | Link to Github | <https://amygemme81.github.io/Math-Trivia/>

- Math trivia game set to a timer. HTML/CSS/JavaScript

Tip Calculator | Link to Github | <https://amygemme81.github.io/Math-Trivia/>

- Online Coding Challenge (2019) HTML/CSS/JavaScript

Portfolio | Link to Github | <https://amygemme81.github.io/Profile/dev.html>

- My personal page to display these and other projects and coding challenges
- React, HTML, CSS, JavaScript, NodeJS, Express, Handlebars, MYSQL, Mongo DB

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 2001-2019. Additional experience in Technical Support.