

Logan Schelly

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Education

Bachelors of Science in Mathematics

April 2020

Brigham Young University

- Applied and Computational Mathematics Emphasis (ACME)
- Computer Science Minor
- Recognized for outstanding performance in Mathematics in 2020 and 2018

Work Experience

Head Upper Division Tutor

Provo, UT

BYU Math Lab

Sep 2014 – April 2020

- Provided exceptional service by connecting, solving, and building relationships with students for each interaction.
- Continually learned and improved my knowledge of mathematics to help provide exceptional tutoring services.
- Provided timely, constant, and ongoing communication with students regarding their homework problems until those problems were solved.
- Conducted weekly meetings to help our team of 10-20 upper division tutors prepare for that week's concepts.
- Coordinated exam reviews, and often taught them. 10 to 200 students attended, depending on enrollment and subject.
- Overhauled the tutor handbook.
- Expanded the tutor application test to include a Mathematical Proof section.

Skills

Programming Languages

- Python – Very Comfortable
- C – Proficient
- C++ – Proficient, but rusty
- Java – Proficient, but rusty
- JavaScript – Beginner

Other Tools

- \LaTeX – Proficient
- Git – Intermediate
- Unix Shell – Intermediate
- HTML – Beginner

Soft Skills

- Tutoring
- Attention to Detail
- Troubleshooting
- Public Speaking
- Leadership

Projects

Math Lab Student Sign Up Analysis

Fall 2019 – Winter 2020

- Consolidated data spread across 60+ Excel files.
- Used Pandas to analyze the almost 900,000+ instances of students signing up for tutor help.
- Identified busiest times of the week, and the topics students most often came in for help with.
- Advised scheduling more tutors in the mornings based on my findings.

HTTP Proxy

Winter 2020

- C program that relayed user requests to end server, and relayed server responses to user.
- Used `regex.h` to verify that user requests met HTTP formatting requirements.
- Handled concurrent requests with a threadpool using `pthread.h` and `semaphore.h`.

Android App – Family History Map

Summer 2018

- Wrote both the client and server in Java.
- Displayed family history data with a Google MapFragment.
- Implemented activities for log-in, map interaction, life event details, and app settings.
- Wrote the SQL commands that the server would use to store and retrieve user data.

I tailored this resume for the posting at byu.joinhandshake.com/jobs/3172287.

I'd love your constructive feedback. Contact me directly or open an issue at github.com/Logan-Schelly/resume/issues.