Logan Schelly

(951) 692-8802 • idyllogan@verizon.net

Education

Bachelors of Science in Mathematics   April 2020

Brigham Young University   GPA: 3.17 out of 4.0

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

Skills

Programming Languages (and Corresponding Libraries)

Python ———————— Very Comfortable ———————————————————used in 8 lab classes and 4 lecture classes

– sqlite3	– Scipy	– Pandas	– Selenium
– NumPy	– Matplotlib	– scikit-learn	– Beautiful Soup

C ———————— Proficient ———————————————————————used in 2 lecture classes

– `pthread.h`	– `sys/socket.h`	– `omp.h` (OpenMP)

Java ———————— Proficient, but rusty ———————————————————used extensively in 1 lecture class

C++ ———————— Proficient, but rusty ———————————————————used in 3 lecture classes

JavaScript ———— Beginner ——————————————————self taught at javascript.info, and listed as a contributor

Other Tools

- LaTeX– Proficient
- Spreadsheets – Proficient
- Git – Intermediate
- HTML – Beginner

Soft Skills

Tutoring • Attention to Detail • Troubleshooting • Public Speaking • Leadership • Project Coordination

Work Experience

Head Upper Division Tutor   Provo, UT

BYU Math Lab   Sep 2014 – April 2020

- Tutored Linear Algebra, Multivariable Calculus, Differential Equations, and Mathematical Proof classes.
- 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.

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/3444485.

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