
I'm not currently seeking work, but I'm interested in summer internships or research programs, and I'm willing to do small, one-off projects or make connections.

Education

Mathematics BS Computation Focus

*Brigham Young University**Graduation 04/2020 - 3.99 GPA*

- Algorithm design and analysis
- Data structures
- Discrete math and numerical methods
- Deep Learning
- Full-stack programming
- Web programming and REST APIs

Experience

Software Developer *Aug 2019-Present*

LZTek

- Constructed large scale apps and graphical reports within the Quickbase database service to provide real time logistical data for internal use and client convenience
- Completed one-off programming projects for clients

Project Assistant *Apr 2020-Present*

Brigham Young University

- Designing and implementing a full-stack autograder for student programming labs providing graders a quick and secure way to execute arbitrary student code

Teaching Assistant - Calculus I *Aug 2020-Present*

Brigham Young University

- Taught recitation sections to ensure students grasp fundamental concepts of calculus

Skills and Technologies

- Quickbase Certified
- C++ (3 years)
- Python (2 years)
- Bash (2 years)
- Java (1 year)
- HTML, CSS, Javascript
- Git version control
- Mathematical proof
- Fluent Spanish

Projects

WebGrader *(not public on github; deployed at acmelab.byu.edu)* *Python, Docker & Full Stack Development*

A full-stack, secure grading environment for discrete mathematics programming labs

scripturetool *(<https://github.com/es3649/scripturetool>)*

Golang & Deployment

A command line application written in Go to access scripture verses by reference. Multiple releases are available on Github including install scripts and binaries for various platforms

FamilyMap *(coursework: not public on github)*

Android & Full Stack Development

A course project for which I created an HTTP server with a public API and an Android client application to store and view randomly generated family history data