
I'm not currently seeking work, but I'm willing to do 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

Research Intern *Jan 2018-Sept 2018*

Cobalt Speech and Language

- Cleaned transcribed audio data with python to prepare it for use in Acoustic models
- Implemented an object relational mapping to store company data for easier storage and management

Teaching Assistant - Discrete Structures *Jan 2019-Present*

Brigham Young University

- Designed and debugged C++ projects to help students finish projects on time
- Instructed students in principles of discrete mathematics to help them understand mathematical design concepts for their projects

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

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

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