

Clark Brown

Aspiring developer and mathematician with a passion for discrete structures

(801) 505-1456

clarkedbrown@gmail.com

clark-brown.com

linkedin.com/in/clark-ed-brown

EDUCATION

BS, Applied & Computational Mathematics Emphasis (ACME)

Brigham Young University

April 2021

Provo, UT

- Minor and Concentration: Computer Science (Completed Summer 2019)
- GPA: 3.97
- Relevant Coursework:

Linear and Nonlinear Analysis
Computation and Optimization

Mathematical Programming
Multivariable Calculus

Statistics
Theory of Analysis

SKILLS

- Proficient in Python (packages: NumPy, Pandas, Matplotlib, Selenium, BeautifulSoup), Java, C++, SQL
- Experience with Javascript, AngularJS, PHP
- Linux (Debian and RedHat based distros), GIT, Web Server Management
- Team Leadership and Project Management
- Junior Year Skills:

Data Structures
Gradient Descent
Q-Learning

Introductory Machine Learning
Singular Value Decomposition
Numerical Linear Algebra

Fourier Analysis
A/B Testing
Wavelets

EXPERIENCE

Undergraduate Teaching Assistant

Brigham Young University

August 2019 – Present

Provo, UT

- Teaching assistant for a Computer Science course in Discrete Structure (BYU CS 236).
- The course covers grammars, parsing, relational data model, graphs, and graph algorithms.

Ecommerce Developer and Web Server Admin

Liberty Mountain Sports, LLC

May 2018 – Present

Sandy, UT

- Develop and integrate a product information management platform and a Magento based website.
- Manage web servers with both Red Hat and Debian based Linux distributions.
- Facilitate new development deployment and maintain several important GIT repositories.

Economic Research Assistant and Developer

Brigham Young University

March 2018 – April 2019

Provo, UT

- Assisted Dr. Joseph Price developing tools to link families and individuals across genealogical records.
- Used genealogical research methods combined with TensorFlow for machine learning with Python.
- Wrote a web app in Javascript with a document based database in Firebase for creating training data.

Full-Time Volunteer Technology Specialist

The Church of Jesus Christ of Latter-day Saints

July 2015 – July 2017

Dallas, TX

- Provided technical support for iPads, mobile phones, and specialized software to a group of 200 volunteers.