

Timothy Brown

tabrownies@gmail.com – 801-244-4883 – linkedin.com/in/timothy-a-brown77 – tabrownies.github.io

Education

BS, Applied & Computational Mathematics Emphasis (ACME)

April 2021

Brigham Young University

Provo, Utah

- Minor: Entrepreneurship
- GPA: 4.00
- Academic Full Tuition Scholarship

Technical Skills

- Proficient: Python, JavaScript, HTML/CSS, Node.js, Express.js
- Experienced: PyTorch, C++
- Familiar: TensorFlow, Terraform, Amazon Web Services, Google Cloud Platform, GitHub Actions, Bitbucket Pipelines, Nginx, MongoDB, Vue, Angular, React Native, Arduino, Raspberry Pi, SQL

Soft Skills

- Project/Product Management
- Team Leadership and Organization
- Teaching Curriculum Development, Implementation, and Expansion

Experience

Data Science Intern

May 2022-August 2022

e-Telequote Insurance

Clearwater, Florida

- Develop and deploy deep learning models which improved sales yield by over six percent compared to previous algorithms.
- Provide detailed analysis of the outcomes of past sales to the marketing team.
- Expand and document internal Python library to improve developer experience and accelerate data science research.
- Architect and implement the first CI/CD pipeline to automate and make reliable deployment of the team's production code.

Project Manager

June 2021-May 2022

Family History Technology Lab – BYU Computer Science

Provo, Utah

- Lead 17 developers and 8 projects across a variety of technologies, including mobile, backend, web, and data parsing technologies.
- Develop a data pipeline which enables thousands of anonymous volunteers to validate 7.5 million handwriting recognition samples.

Handwriting Researcher

July 2021-May 2022

Family History Technology Lab – BYU Computer Science

Provo, Utah

- Participate in writing a research paper describing a method to accelerate handwriting recognition model-training using a mix of active and transfer learning.
- Develop scripts and graphical tools to prepare training data for handwriting recognition model development.

Relevant Projects

Sandbox Startup Hackathon, BYU

November 2021

- Develop a budgeting application tailored to meet the needs of surveyed college students.
- Design an algorithm to reflect those needs and implement it in a web application. A competition judge described my algorithm as “the best thought out he'd seen in weeks.”

Sandbox Startup Hackathon, BYU

April 2021

- Manage a team of two developers and another project manager and developed a job-recruiting app in 36 hours.
- Personally invited by the competition organizer to return for the next competition.