

Timothy Brown

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

Education

BS, Mathematics: Applied & Computational Mathematics Emphasis (ACME)

April 2024

Brigham Young University

Provo, Utah

- Valedictorian
- Minors: Computer Science, Entrepreneurship
- GPA: 4.00
- Academic Full Tuition Scholarship
- Sandbox Startup Incubator

Technical Skills

- Proficient: Applied Mathematics, Statistical Modeling, Machine Learning, React, Typescript, AWS, Python, Node.js
- Experienced: C++, Next.js, Prompt Engineering

Experience

Software Engineer

July 2025-Present

Google

Los Angeles, California

- Ensured Gemini for Home upheld privacy standards regarding Google Workspace Accounts

CTO/Software Developer

March 2024-January 2025

ReferPro

Lehi, Utah

- Developed and maintained the software as the sole developer to grow ARR by 523%.
- Participated in meetings with Venture Capital groups to secure a 2.7M seed round.
- Communicated across internal teams and with customers to ensure the product was reaching their needs.

Data Science Intern

May 2022-September 2022

e-Telequote Insurance

Clearwater, Florida

- Developed and deployed deep learning models which improved sales yield by over six percent.
- Accelerated data science research by expanding and documenting the company's internal Python library.
- Reduced product deployment errors by designing and implementing the first automatic CI/CD pipeline.
- Enabled the marketing team to decide which sales leads to purchase by providing an analysis of past sales.

Project Manager/Handwriting Researcher

June 2021-May 2022

Family History Technology Lab – BYU Computer Science

Provo, Utah

- Enabled thousands of anonymous volunteers to validate 7.5 million handwriting recognition samples.
- Developed a data pipeline to serve those samples across both web and mobile technologies.
- Led over 17 developers and 8 projects across mobile, web, server-side, and data science technologies.

Handwriting Researcher

July 2021-May 2022

Family History Technology Lab – BYU Computer Science

Provo, Utah

- Published a research paper describing a new method to accelerate handwriting recognition model training.
- Prepared data for handwriting recognition model training by writing custom scripts and graphical tools.