Timothy Brown

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Summary

Innovative business leader and software developer with a background in applied mathematics, machine learning, and full-stack development. Proven ability to drive business growth and deliver technical solutions, including growing ARR by 523% and securing multimillion-dollar funding. Passionate about solving challenging problems, leading teams, and building scalable systems.

Education

BS, Mathematics: Applied & Computational Mathematics Emphasis (ACME)
April 2024

Brigham Young University   *Provo, Utah*

- 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, Python, Node.js
- Experienced: AWS, Terraform, C++, Go, Next.js

Experience

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.
- Delivered improvements across infrastructure and feature sets, leveraging AWS and modern frameworks.

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   **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.