

Matthew Dangerfield

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Education

BS, Applied & Computational Mathematics (ACME)

Brigham Young University

May 2025

Provo, Utah

- GPA: 3.96/4.0
- Minor: Sociology
- Relevant Coursework: Algorithms and Data Structures, Linear and Nonlinear Analysis, Computation and Optimization, Multivariable Calculus, Mathematical Programming, Statistics, Machine Learning

Skills

- Proficiency in Python and relevant packages (numpy, matplotlib, sympy, pandas, sklearn, etc.)
- Mathematical problem solving
- Working knowledge of major deep learning frameworks (PyTorch, Tensorflow/Keras, Jax)
- Working knowledge of C++ and object-oriented programming
- Experienced software developer (4 years)

Experience

Co-Founder

May 2023 – Present

Propane Chat – ChatGPT plugin for Wix sites

Provo, UT

- Built, launched, and scaled PropaneChat.com to 100s of users, using Svelte and Python
- Implemented a retrieval augmented generation system with a self-hosted vector store
- Created and managed a SQL user database hosted on Google Cloud
- Communicated with customers to understand and meet their needs

Lead Software Engineer

January 2022 – August 2023

Blockchain Exploration GmbH

Remote

- Built an online marketplace app using Nuxt/Vue and Node.js
- Managed backend infrastructure on Google Cloud across 10+ services
- Optimized site to decrease initial load times by 50%

Software Development Intern

June 2019 – August 2019

SmugMug

Mountain View, CA

- Initiated large-scale refactoring efforts across 100s of files to modernize the JavaScript codebase
- Wrote scripts to automatically migrate 20+ UI components to Storybook

Software Developer

May 2019

Knight Rider Consulting

Minneapolis, MN

- Contracted with an early stage YCombinator startup
- Maximized reliability using test-driven development practices in JavaScript/Angular

Course Developer

January 2019 – May 2019

Packt

Remote

- Created a 4 hour long video course on real-world Vuex
- Collaborated with an editing team to maximize engagement

See LinkedIn for prior experience