Matthew Dangerfield

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Education

BS, Applied & Computational Mathematics (ACME)   **May 2025**
Brigham Young University   *Provo, Utah*
- Major GPA: 4.0/4.0
- Minor: Sociology
- Relevant Coursework: Linear and Nonlinear Analysis, Theory of Analysis, Computation and Optimization, Multivariable Calculus, Mathematical Programming, Statistics

Skills

- Experienced full-stack web developer (4 years)
- Proficient in Python (numpy, matplotlib, pandas, etc.)
- Working knowledge of major deep learning frameworks (PyTorch, Tensorflow/Keras, Jax)
- Strong theoretical background in dynamic optimization, numerical linear algebra, and data structures.

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, Python, and Google Cloud
- Implemented a retrieval augmented generation system with a self-hosted vector store
- 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 Devlopment 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