

Ethan Wagstaff

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Education

Brigham Young University Apr 2026 Bachelor of Computer Science, Provo, UT Minor in Business

- Indian Perrie Scholar
- Eagle Scout

Skills and Interests

- Python, Java, JavaScript, TypeScript, Node.js, C++, C, PHP
- HTML, CSS, React, Web Frameworks
- SQL, PostgreSQL, MongoDB and Relational Databases
- AWS, Linux
- Full-stack applications, Client-server models, Operating Systems
- Data and AI Integration
- GAAP principles and financial analysis
- Fishing, Hiking, Kayaking

Experience

Web Developer ▪ Mar 2025 - Present ▪ Brigham Young University, McKay School of Education

- Maintain and enhance the McKay School website, implementing new features and improvements for usability and performance.
- Collaborate with a team of developers to design and build full-stack applications using PHP, JavaScript, and Drupal.
- Projects include, bible reading chrome extension, scholarship awarding system, course scheduler

Discrete Math Teaching Assistant ▪ Jan 2024 - Mar 2025 ▪ Brigham Young University, CS Department

- Provided support for students writing, developing, and debugging their own code in C++
- Lead lab sessions teaching students to write medium scale software applications
- Maintained positive relationships with students and other teaching assistants
- Collaborated with professor on how to best assist students with the topics in discrete math

Personal Projects

Full-Stack Chess Application

- Developed a full-stack chess application with a JavaScript, CSS, and HTML frontend, a Java backend, and SQL for database storage
- Implemented real-time gameplay and user authentication features

Full-Stack Online Store Application

- Built a full-stack online store using React, JavaScript, Node.js and Express featuring a dynamic program catalog and user authentication
- Deployed the application on an AWS EC2 instance for scalability and stored data in a MongoDB cluster to support seamless user interactions

Volunteer Experience

Dec 2022 - Jun 2022

Jewish Pantry Hollywood, Florida ▪ Prepped meal bags for families and those with disabilities

- Lead a few teams' members in carrying out daily tasks