

Preston Ford

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Portfolio: <https://prestonford.github.io/>

EDUCATION

Bachelor of Science: Computer Science

Brigham Young University

- GPA 3.90
- Dean's List Winter 2022

Apr 2027

Provo, UT

EXPERIENCE

Web Developer

Brigham Young University

- Developed LearningSuite, the university's learning platform used by all 34,000 students
 - Implemented new features in assignment editing and grading exams, allowing instructors to score student submissions
 - Built 10+ new UI views and features for instructors on the platform, including the Question Bank, grading interface, and assignment/exam creation tools
 - Migrated several legacy pages to the modern Vue.js JavaScript framework, improving site performance and code maintainability

May 2024 - Present

Provo, UT

Web Programming Teaching Assistant

Brigham Young University

- Educated students in a one-on-one setting frequently; helped students debug and understand their code to improve their understanding and grades
- Taught full-stack web development topics including HTML, CSS, JavaScript, React, AWS, MongoDB, etc.
- Analyzed hundreds of assignment submissions of dozens of students, graded them for quality and adherence to instructions

Jan 2024 - Apr 2024

Provo, UT

Korea Welcome Center Intern

U.S. Embassy

- Researched and analyzed cultural differences and practical information to assist new diplomats in adapting to life in Korea
- Developed and facilitated resources that helped diplomats navigate cultural nuances, local customs, and everyday challenges

Aug 2022 - Oct 2022

Seoul, South Korea

Technical Help Desk Intern

SolvereOne

- Provided IT services for U.S. House of Representatives and dozens of private companies in the area, ensuring productive work environments
- Resolved sensitive technical problems for clients under time pressure, ensuring client satisfaction

May 2022 - Jul 2022

Dulles, VA

SKILLS

- Languages: JavaScript, Typescript, C#, Java, Python, PHP, SQL
- Web: HTML, CSS, Vue.js, React, MongoDB, AWS
- Tools: Git

PROJECTS

Collaborative Taskboard Website (in progress): <https://github.com/prestonford/taskboard>

Building a multi-user Trello-style task management app supporting multiple projects.

- Features include task labeling, drag-and-drop stage transitions, and real-time collaboration between users. Built with React and ASP.NET

Scalable Twitter Clone: <https://github.com/prestonford/AudioPlayerWPF>

Developed a cloud-native social media app using AWS Lambda, DynamoDB, and SQS. Implemented user authentication, posting, and timelines with scalable serverless architecture to handle concurrent users