

# 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; graded hundreds of assignments and helped students debug and understand their code to improve their understanding
- Taught full-stack web development topics including HTML, CSS, JavaScript, React, AWS, MongoDB, etc.

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, SQL
- **Frameworks & Libraries:** React, Vue.js, ASP.NET, TailwindCSS
- **Databases & Cloud:** MySQL, MongoDB, Amazon Web Services (Lambda, DynamoDB, SQS)

## PROJECTS

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

- Building a multi-user Trello-style task management app supporting multiple sharable projects.
- Features include task labeling, rich text editing, drag-and-drop stage transitions, and resource sharing between users. Built with React, Typescript, TailwindCSS, and ASP.NET

### Serverless Social Media App: <https://github.com/prestonford/tweeter>

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

### .NET Music Player App: <https://github.com/prestonford/AudioPlayerWPF>

- Built a Windows desktop audio player in .NET with playlist support, metadata-editing support, user-customizable settings, and file management in a responsive user-friendly interface