

ASHLEY MAYS

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EDUCATION

California State University, Fresno

Fresno, California

Bachelor of Science in Mathematics

2018-2022

- **Awards:** Recipient of the President's List Award, 2x Recipient of the Dean's List Award
- **Relevant Coursework:** Data Structures and Algorithms, Functional Programming, Object-Oriented Programming, C++ Programming

TECHNICAL SKILLS

- **Languages & Frameworks:** HTML, CSS, JavaScript, Express.js, C++, C#, Latex
- **Tools:** Visual Studio, VS Code, Git Version Control, GitHub, Node.js, MongoDB, EJS
- **Other Technical Skills:** REST APIs, Technical Documentation, Project Management, Debugging, Front-End Web Development, Full Stack Web Development, Responsive Web Design

PERSONAL PROJECTS

Recipe Search Web App

AUG2022 - AUG2022

- **Tech Stack:** HTML5, CSS3, JavaScript, REST API, Node.js, Express.js, EJS, VS Code, Git
- Engineered a full stack recipe search web application that allows users to look up recipes from across the web in one place
- Devised a solution for intuitive yet functional data generation for easy navigation and a clean UI
- Created a user interface in CSS and HTML from custom Figma designs
- Adhered to WCAG accessibility guidelines to provide equal access and opportunity for everyone who visits the site

Virtual Keyboard

JUN2022 - JUL2022

- **Tech Stack:** HTML5, CSS3, JavaScript, Web Audio API, MediaStream Recording API, VS Code, Git
- Developed a virtual keyboard that can be played on all modern browsers and both desktop and mobile devices using responsive web design techniques
- Used asynchronous programming techniques in client-side rendering that reduced the loading time to 331ms
- Created an intuitive, realistic experience by adding functionality to sustain and soften notes and four different instrument sound options
- Implemented audio recording functionality that allow users to play the keyboard, record their playing, and download it as a MP3 file to their device

PROFESSIONAL EXPERIENCE

California State University, Fresno

Fresno, California

Mathematics and Computer Science Tutor (Seasonal)

JAN2021 - APR2021

- Collaborated with a team of five on a promotional campaign that increased client conversion rates by 10%
- Communicated with team members and clients remotely via Zoom and Slack
- Strengthened clients' understanding of advanced mathematical concepts and C++ programming

California State University, Fresno

Fresno, California

Instructional Student Assistant (Seasonal)

AUG2020 - DEC2020

- Collaborated with a supervisor and colleagues on presentations of technical content
- Presented advanced technical concepts to people with technical and non-technical backgrounds in a clear manner under extreme time constraints
- Designed original mathematics problems for students and graded their progress regularly