Brayden Werner

Full Stack Developer

North Tustin, CA

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Work Experience

University of Michigan

React.js Developer for a Large-scale Research and Educational Platform (Internship)

December 2020 - Present

- Proposed and developed scalable solutions regarding state management with a large-scale database
- Collaborated with other React developers to optimize and improve web performance
- Worked with a variety of technologies including React, Firebase, Recoil, and JavaScript

Tanaka Farms

Fall 2019, Irvine, CA

- Food/customer service at local farm promoting responsible farming methods and family activities

Education

University of California, Davis

Computer Science (4.0 GPA)

September 2020 - Present, Davis, CA

Extracurricular Experience

Cyber Patriot Defense Competition

Fall 2019-Winter 2020, Irvine Valley College, CA

- Nation's largest cyber defense competition (created by the Air Force Association)
- Competed against teams in the US, Canada, and abroad to resolve simulated cybersecurity vulnerabilities

Troy High School Programming Competition

Fall 2019, Irvine, CA

- Competed in a five-hour competition against 20+ teams

Technical Projects

Multiplayer Online Chess / Website, GitHub

Fall 2020, Davis, CA

- Built multiplayer chess website featuring multiple chess game modes
- Designed the website's front-end using HTML5/CSS and JavaScript
- Implemented a web server and web socket communication using Node.js

Maze Generation Visualizer / Website, GitHub

Fall 2020, Davis, CA

- Created a customizable tool to generate mazes; both the dimensions and the speed of the generation are adjustable to the user
- Implemented with recursion and facilitated backtracking

Multiplayer Online IO Game / Website, GitHub

Summer 2020, North Tustin, CA

- Built a multiplayer space-themed battle game
- Leveraged Google sign-in API and MySQL database to store a player's in-game kills
- Implemented a web server and web socket communication using Node.js

Skills

Programming Languages

JavaScript, Java, HTML5, C, C++, CSS/Sass, Python, MySQL

Libraries & Frameworks

React, Recoil, Express, Node.js, Socket.io

Tools & Platforms

Git/GitHub, Google Firebase, Heroku, Netlify

Other Skills

Server-Side Scripting, Object-Orientated Design, Data Structures / Algorithms, REST APIs, Bash