Brayden Werner

Full Stack Developer

North Tustin, CA

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

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

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

Work Experience

Tanaka Farms
Fall 2019, Irvine, CA

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

Skills

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

Libraries & Frameworks
Express.js, Node.js, React, Socket.io

Tools & Platforms
Git/GitHub, Google Firebase, Heroku, Netlify

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

Education

University of California, Davis
September 2020 - Current, Davis, CA
Computer Science

Foothill High School

- Weighted GPA 4.5
- California Scholarship Federation Seal bearer
- AP Scholars with Honors Distinction
- Foothill High School Tennis Team

Community Service

- **Earth Day Beach Clean-up – CSF** (2016-19)
- **Mercy House Shelter – CSF** (2016-19)
- **Orange County Rescue Mission – CSF** (2016-19)
- **Challenged Athletes Association Triathlon (**2016-19)
- **Queen of Hearts Charity Tennis Tournament** (2016-19)
- **Steve Johnson Sr. Memorial Tennis Tournament** (2016-19)
- **Chapman University Women's Basketball Tournament** (2016-19)
- **Dino Dash –** Tustin Unified School District (2016-19)