

Davin Procopio

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EDUCATION

Westfield State University • B.S. Computer Science with minor in Mathematics May 2022

- GPA 4.0/4.0; Dean's List all semesters
- Academic Excellence Award in Computer Science; 2nd place in 2022 CCSCNE programming competition

Relevant Coursework: Software Engineering, Data Structures, Database Management, Theory of Computation

PROJECTS

GitHub: <https://github.com/DavinPro>

Typing Time • JavaScript, Vue.js, Node.js, Express.js, MySQL, Heroku Jan – May 2022

- Developed a full stack web application for practicing touch typing keyboard skills using Vue.js.
- Populated page content dynamically from a remote MySQL database that stores lesson data.
- Implemented REST API using Express.js that manages interactions between client and database.
- Hosted website and API through a Node.js server deployed on Heroku.

WSU Tower Defense • Java, Android, Git, Scrum, MySQL, AWS (RDS) Feb – Apr 2021

- Developed an Android tower defense game following MVC design pattern in 2-week Scrum sprints.
- Collaborated with a team of 5 developers via Git source control and peer programming.
- Separated business logic from UI using multi-threading to maintain responsiveness.
- Utilized AWS MySQL RDS database to store and retrieve player high scores.

Particle Physics • C++, SFML, CMake Sep – Nov 2021

- Developed a desktop particle physics simulator using SFML for graphics.
- Used CMake configuration file to allow platform-independent project generation.
- Optimized collision detection using a quadtree to reduce the number of checks.

Snake Game • Java, JavaFX, CSS, Maven Apr – May 2021

- Developed a desktop application of the classic Snake game in Java.
- Stylized components and application themes through CSS.
- Leveraged multi-threading to customize playing of audio effects and music.

SKILLS

Proficient: Java, C++, SQL, Git/GitHub, Agile Methodologies

Familiar: C, Python, Haskell, JavaScript, Node.js, Express.js, Vue.js, SFML, OpenGL, HTML, CSS, AWS, Linux

WORK EXPERIENCE

Iron Pioneer Metalsmiths • Apprentice Blacksmith 2017 – 2022

- Optimized forging and welding processes to meet deliverable deadlines.
- Maintained and improved performance of tooling and equipment.
- Designed new products and components for existing products.