

TIMOTHY CAPEHART

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I approach software development with a creative perspective and an emphasis on reusability. I am a life-long learner eager to add skills to my toolbelt. I take pride in my work and am driven to produce quality solutions following SOLID principles. I am a great team-player capable in design and full-stack development and will add quality and value to any project.

SKILLS

- OOP
- C++ / C#.NET
- TS / JS / HTML / CSS
- Java / Python
- Angular / Ionic
- Firebase
- SQL / NoSQL
- Visual Studio / VS Code
- GitHub / GitKraken
- Unity

EDUCATION

B.S. SOFTWARE ENGINEERING TECHNOLOGY - 3.80 GPA, OREGON TECH JUN 2017 – JUN 2020

- Data Structures and Algorithms, GUIs, OOP, SQL, Design Patterns, Source Control, Testing
- Background in Physics, Chemistry, Web, Mobile, and Game Development

PROJECTS

DEBT DESTROYER DESIGN / DEVELOP / TEST, OREGON TECH SEPT 2019 – CURRENT

- Debt management web/mobile application for senior development project
- Full stack development with Angular, Ionic, and Firebase
- Developed several payoff algorithms for different payment strategies
- Firebase authentication, database, cloud functions, security rules

UNITY 3D DUNGEON GAME DESIGN / DEVELOP, OREGON TECH SEPT 2018 – JUN 2019

- 3D dungeon crawler with quests, inventory, combat
- Led team in design decisions, implementation, and vision of project
- Created state machine for NPC behavior, ability system
- Designed and constructed 3D dungeons and environments

ROAMING ROBOT ARDUINO DESIGN / DEVELOP, OREGON TECH JUN 2017 – SEPT 2017

- Robot roams a room and avoids obstacles using servos, IR LEDs and sensors
- Assembled robot chassis, constructed circuits with components, wires and breadboard
- Programmed I/O, conditions and maneuvers

WORK

SOFTWARE DEVELOPER – GATE TO THE WEST, BEAVERTON OREGON MAY 2019 – CURRENT

Write, test, and deploy code. Collaborate remotely with team practicing agile / scrum methodologies. Re-branded mobile/web application to use new logos, fonts, and color scheme. Added new features expanding functionality and user experience. Implemented responsive desktop and mobile views. Secured database access with firebase security rules. Provided code reviews and developed documentation.

TUTOR – SELF EMPLOYED, MEDFORD OREGON SEPT 2015 – SEPT 2017

Tutored students in algebra, calculus, beginning and intermediate C++, and object-oriented programming. Worked through many examples of problems with students, making sure they understood the material well enough to get through similar problems on their own.

REFERENCES

Lucas Cordova	lucas.cordova@oit.edu	503-559-7175
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