ISAAC SHEPARD

SOFTWARE ENGINEER · MATHEMATICS - COMPUTER SCIENCE MAJOR · UNIVERSITY OF CALIFORNIA, SAN DIEGO

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Summary _____

- ❖ Software Engineer with experience in web applications using Javascript and Python frameworks.
- ❖ Familiar with Shell Scripting and TCP/IP protocols on Linux Systems.
- ❖ Familiar with using AWS and CI/CD pipelines.

Skills _____

Programming	C/C++ · Python · NodeJS
Full-Stack	HTML5 · CSS3/SASS · Javascript · Express · React · MongoDB · Django · PostgreSQL
Dev Tools	Jest/Enzyme · Jenkins · Postman · GraphQL · Github

Experience _____

Software Engineer (mobile) Intern

November, 2020 - Present

Vytality Health - | Flutter · Dart · Firebase

Develop the company's mobile application (iOS, Android) using Flutter.
- ➤ Debugged and tested faulty features
- ➤ Built responsive features allowing better user experience for mobile devices.

Full Stack Developer Intern

April, 2020 - August, 2020

General Assembly - | MongoDB · ReactJS · NodeJS · Express · Python · Django

Built web applications using Javascript and Python with MVC Frameworks
- ➤ Refactored raw queries from SQL into Django ORM.
- ➤ Built responsive features allowing better user experience for mobile devices
- ➤ Refactored web applications into ReactJS allowing for faster rendering and future feature implementations

Unity VR Game Developer

January, 2017 - March, 2018

Triton XR - | C# · Unity3D · GoogleVR

Leveraged the Unity3D system, C# scripting, and GoogleVR to build a mobile virtual reality game Lucid Dreaming.
- ➤ Developed game design and levels using the Unity game engine built for the Google DayDream headset and controllers.
- ➤ Followed an Agile workflow and GIT version control (Github) for more efficient productivity on individual features.
- ➤ Built character and environment animations for better user experience using C# scripting.

Game Project Page: www.phillipaisling.com/blog-post/lucid-dream-training-in-a-virtual-reality-game/

Technical Projects _____

Albion Online Hub | 🔲 github link

July, 2020 - Now

WEB APPLICATION - | MongoDB · ReactJS · NodeJS · Express · D3.js |

[Albion Online Hub is a web application made for the MMORPG game Albion Online. Uses the game's API to get a JSON payload for app features.]

Leveraged MERN web stack and github workflow to build a responsive web application following the MVC design pattern
- ➤ Incorporated RESTful routing allowing cleaner data manipulation for the group organize feature.
- ➤ Integrated the game's external API in order to synchronize data for the -market and events feature using jQuery and D3.js.
- ➤ Handled user authentication authorization using OAuth with MongoDB and Express framework.
- ➤ Utilized a CI workflow and unit testing to allow easier integration of a new feature.
- ➤ Refactored main project branch into a React application and incorporated TDD with Jest/Enzyme testing.

More Projects_____

Wayfarer | 🔗 github link

July, 2020 - July,2020

WEB APPLICATION - | Python · Django · PostgreSQL · Bootstrap |

[Wayfarer is a Python based web application that acts as a hub for world travelers to post interesting landmarks that are worth visiting.]

Leveraged Python, Django, and PostgreSQL to build a Travel/Blog web application.
- ➢ Used Django RESTful framework to handle the web applications routes.
- ➢ Collaborated with a team following an agile workflow while using Github for version control.
- ➢ Made use of Django's OAuth toolkit to handle user authentication and authorization for account login features.
- ➢ Incorporated responsive designs on landmark posting feature to allow a smooth user experience

Shots

January, 2016 - March,2017

ANDROID APPLICATION - | Java · Firebase · Android Studio |

[Shots is an Android Mobile Application that allows media "stories" to be shared among friends that you where with the night before.]

Leveraged Java, Android Studio, Google Firebase to build a mobile application.
- ➢ Developed map tracking feature that tracks other users within a group.
- ➢ Collaborated with a team of eight peers to document and build an android application.
- ➢ Configured local storage and cloud storage using Firebase (non-relational database.
- ➢ Pushed out group messaging features, allowing other users to add and create a chat group and share media files.
- ➢ Used TDD to document and push out quality code.

Education_____

University of California, San Diego - Mathematics/Computer Science

September, 2015 - March, 2020