Sabian McElroy

Software Engineer

Work Experience

VR Game Developer – Engine Room VR. Tulsa, OK
September 2021 - December 2022
One of two initially hired for the development of a VR boxing application, worked with coaches and trainers to create a fun health app that anyone could play, train, and compete with.
- Developed character AI, and tuned physics for virtual gym equipment.
- Met with users for whiteboard discussions, testing, and product analysis to determine what could be improved and how to prioritize work.
- Created Augmented Reality promotional content

Full Stack Web Developer – Contract, Carbondale, IL
August 2020 - September 2021
Took offers by contract to create web pages for clients. Handled creation, design, and domain registration. Pages were created based on client needs, from light html and javascript websites for personal blogs, to using libraries such as ReactJS and NodeJS for more specific services, including online shopping and appointment booking
- Discussed product needs with clients, created prototypes and implemented approved features.
- Created multiple websites, from ecommerce to blogging sites

Digital Logic Development – Student Freelance Project, Winter Park, FL
September 2018 - October 2018
Created prototype devices using small computers such as Arduino Uno and Raspberry Pi to create GPS systems with display. Positional data was transferred to google maps to show device position over time
- Planned, assembled, and tested arduino gps device.
- Logged data, and integrated with Google Maps API

StepCounter – Java Developer, Winter Park, FL
May 2019 - July 2019
Created an app to encourage exercise by rewarding the user with in-game currency to spend on in-app cosmetics, avatar clothing, hats, and shoes.
- Set up achievements and goals to encourage the user to work towards completing goals
- Set up app layout for android devices
- Developed Friends list and user database for connecting with others using Firebase.

Skills

Agile Software Development Lifecycle
Time Management
Working in team and solo environments
Quality Assurance
Critical Thinking
Digital Logic and Electronics
Arduino/Raspberry PI
SQL, MySQL, Firebase

Object Oriented Programming
Java
JS
C#, C++
.Net
Python
Networking
API Integration
Unit Testing

Education

Full Sail University, Bachelor's Degree in Computer Science (2019)