Brandae Grein
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Experience

Work Experience

MyPad3D – *Unity Programmer, Contractor*   *October 2020 – Present*

- Developed a proof of concept VR Music Room experience for use at the Seattle Children's Hospital.

Swyfft.com – *Software Development Engineer in Test Intern*   *September 2019 – July 2020*

- Wrote and maintained automated tests for the Swyfft website in C# using Selenium testing software
- Daily debugging of complex interwoven systems including SQL, C#, React, Selenium, Papertrail, and more

Bellevue College – *Senior XR Lab Assistant*   *May 2018 – June 2020*

- Created short virtual reality experiences for professors to use in their classrooms
- Taught students and faculty about both virtual reality development and quality virtual reality game design
- Worked as a project manager, including organizing schedules, creating agendas, managing other employee workloads through Trello, and coordinating campus wide events between several different departments

Project Experience

Monster Matchmaker – *Alexa Skill Developer, Project Manager, React Developer*

- A D&D 5th Edition encounter builder following ADA guidelines to build a website and Alexa skill using AWS Services like Lambda and API Gateway

Cubasaurous – *Unreal Developer, Game Designer*

- A short RTS VR game in Unreal Engine where the player is responsible for caring for a sentient cube

Lessons One & Two – *Level Designer, Unity Developer*

- A Chinese language game for Bellevue College with a focus on VR design using Unity that runs on standard windows PC flatscreen and VR devices

Skills

VR Development

- Developed contract projects for both MyPad3D and Bellevue College
- Designed and implemented a program to teach vector magnitude by using gamification of concepts

C# Development

- Refactored code in Valve SDK packages to fit into existing project architecture
- Used ReSharper on Visual Studio to manage systems for automated unit testing

Java Development

- Worked with a team to make a simple chat application using IEEE, SCRUM development methods
- Used regex pattern matching to scrape information from websites specific to bus times based on a user's request

Other Skills Include:

- C/C++
- MySQL
- Machine Learning
- Python
- Public Speaking
- Teaching/Training – 12 years of experience

Qualifications

Bellevue College – Bachelor of Science: Computer Science, Cum Laude   *June 2020*

Unity Certified Programmer & Instructor   *July 2020*

IGDA Foundation Velocity Awardee   *2020*