PRANAW BAJRACHARYA

bpranaw@gmail.com | Pranaw Bajracharya | Github | 503-470-9131

Education

Portland State University — Portland, OR
B.S. Computer Science — *Sep. 2020 – June 2023*
- GPA: 4.0/4.0

Skills

Languages: C++, C, C#, Java, Python, JavaScript, HTML/CSS
Developer Tools: Git, gdb, vim, vi, Android Studio, Visual Studio, Eclipse, IntelliJ, Unity
Concepts: Data Structures, Complexity, Recursion, Sorting Algorithms, OOP,

Work Experience

Apple Retail - Specialist | *Soft Skills, General Technology Knowledge* August 2021 - January 2022
Employed as a Specialist on the sales floor at Apple Bridgeport

- Listened to customers' needs and use my knowledge to assess which product or service would be best suited for them
- Facilitated the transaction and aided them in the set up process
- Worked alongside with inventory operations and technician teams to provide customers with an excellent experience

iD Tech - Online Programming Instructor | *Lua, C#* May 2021 - June 2021
Employed as virtual private instructor for iD Tech Summer Camp

- Created general and personalized lesson plans for students
- Instructed students in designing, creating, and publishing Roblox and Unity games
- Taught scripting through Lua and C# using the Roblox and Unity APIs respectively

Projects

FTC Robot Control - Team Project | *Java, Android Studio* Sep. 2018 – Mar. 2019
A program that uses the FTC mobile app and Wi-Fi direct to wirelessly control hardware connected through the Rev Robotics Control Hub.

- Set up the Github repository for the team
- Wrote modules to control motors and servos
- Wrote modules to receive and send sensor data
- Interfaced controller input and robot hardware control
- Wrote scripts to autonomously control the robot with environmental sensor data

Euler Problems - Personal Project | *Python, Linux, vim, Eclipse* Dec. 2019 – Present
An in-progress series of programs that calculate the solutions to the Project Euler mathematical problems. Project Euler problems bridge mathematics and programming by posing questions that are too ridiculously tedious for human calculation. These are only a few examples:

- Created a script to recursively find the sum of all the even Fibonacci numbers to the nth number
- Made a script to find the largest prime factor of x number
- Scripted a program to find the difference between the sum of all the squares of natural numbers and the square of the sum of natural numbers between 1-100
- Built a script to calculate the largest palindrome of the product of two three digit numbers