Brian Le

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EDUCATION

Portland State University   Portland, OR
Bachelor of Science in Computer Science.   *Sep. 2021 – Present*
- Dean's List, Winter 2024
- President's List, Spring 2024

EXPERIENCE

Information Technology Assistant   Jan. 2024 – Present
Portland Community College   *Portland, OR*
- Communicated with PCC faculties and manager to set up computers and devices used across campus
- Diagnosed and fixed computer problems that students and faculties face regularly
- Responsible for maintaining hundreds of computers, printers, and media equipment across campus

Computer Science Tutor   Sep. 2022 – Jan. 2024
Portland Community College   *Portland, OR*
- Conducted one-on-one tutoring sessions with students assisting in computer science topics and assignments
- Aided students with preparing for exams and giving guidance to complete programming assignments
- Collaborated with other fellow tutors to assist students in subjects beyond computer science

Online Delivery Personnel   Oct. 2021 – July 2022
Walmart   *Portland, OR*
- Fulfilled hundreds of customers' online orders in a timely manner
- Communicated with team members within and from other departments to successfully prepare big and complex orders
- Adapted swiftly under pressure and heavy workloads during times of rush hour

PROJECTS

Sales Tax Calculator App | *Kotlin*   Feb. 2024 – June 2024
- Developed an Android app to accurately calculate the sales total including sales tax
- Implemented API calls using the Retrofit library to perform HTTP requests for fetching up-to-date sales tax data from any US states and cities
- Developed using Jetpack Compose for modern UI development
- In the process of publishing to the Google Play Store

FTP Program | *C, AWS*   March 2024 – May 2024
- Developed an FTP program that sends and retrieves files between two computers on different networks
- Server program can be deployed on AWS's EC2 or a dedicated server computer as a 24/7 cloud drive to store and retrieve files
- Implemented a secure password protocol using hashing algorithms to validate client connections and utilized multi-threading to handle multiple file transfers in parallel
- Used IPv4 stream sockets on TCP ports to facilitate client-server communication and file transfers

Discord Bot | *Python*   Dec. 2019 – March 2020
- Developed a Discord bot in Python using the Discord.py library
- Implemented standard Discord bot features such as user commands, profanity detection, and music-playing capabilities via the FFmpeg library
- Deployed on a few servers to test out the capabilities of the Discord bot

TECHNICAL SKILLS

Languages: C++, C, C#, Python, Kotlin, Typescript, Javascript, HTML/CSS
Developer Tools: Git, Docker, Amazon Web Services, VS Code, Visual Studio, PyCharm, Android Studio
Libraries: React, Node.js, Discord.py, FFmpeg