

# Brian Le

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## EDUCATION

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### Portland State University

*Bachelor of Science in Computer Science.*

Portland, OR

*Sep. 2021 – Present*

- Dean's List, Winter 2024
- President's List, Spring 2024

## EXPERIENCE

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### Information Technology Assistant

*Portland Community College*

Jan. 2024 – Present

*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

*Portland Community College*

Sep. 2022 – Jan. 2024

*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

*Walmart*

Oct. 2021 – July 2022

*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

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### 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 API calls 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 hub to store and retrieve files
- Implemented a simple 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

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**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