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

Software Engineer   Aug. 2024 – Present
The Standard   *Portland, OR*
- Interning as a Software Development Engineer in Test

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

PROJECTS

KiokuCards.com | *JavaScript, React, Java, Spring Boot, MongoDB, AWS*   Aug. 2024 – Present
- Developed a full-stack online flashcard web application for users to create and manage flashcards for studying
- Built using React with Bootstrap, MongoDB, and Spring Boot deployed on AWS
- Developed a REST API platform in Spring Boot for communication between the database and the front-end
- Integrated OAuth2 with Google for user authentication and user-specific data

Sales Tax Calculator App | *Kotlin*   Feb. 2024 – June 2024
- Created 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

TECHNICAL SKILLS

Languages: C++, C, C#, Python, Java, Kotlin, Typescript, JavaScript, HTML/CSS
Developer Tools: Git, VS Code, Visual Studio, IntelliJ IDEA, Docker
Libraries/Framework: React, Bootstrap, Spring Boot
Technologies: PostgreSQL, MongoDB, Amazon Web Services