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 Developer Intern — Jan. 2025 – Present
Multnomah County — *Portland, OR*

- Interning at Multnomah County as a Software Developer/Development Analyst
- Refactored and upgraded services and applications from .NET Framework to .NET Core, improving speed by 50% and improving reliability for correctional facilities and services
- Assisted in migrating MVC services and applications from on-premise to the Azure cloud
- Developed unit tests for event handlers, ensuring proper queries are called for each specific event

Software Development Engineer in Test Intern — Aug. 2024 – Dec. 2024
The Standard — *Portland, OR*

- Developed and integrated automated test code in pipelines to process thousands of data with PySpark and Databricks in Azure
- Enhanced EBDR data curation processes by refactoring code to automate data loading and improve database integration, ensuring efficient and accurate data processing by 50%
- Developed efficient, scalable API endpoints to retrieve and remove test data from Cosmos DB
- Maintained and enhanced the Fake Data Masking codebase, retrieving thousands of production data while masking PIIs for testing and processing operations in development environments

PROJECTS

Discord A.I. Chatbot | *Python, Javascript, FastAPI, A.I.* — Dec. 2024 – Present

- Creating a Discord chatbot with AI generative responses for text and voice with the ability to remember past conversations with users
- Powered by the LlaMA 3.1 AI Model locally on local hardware, increasing the speed of response generation by over 100% compared to cloud-based LLM and TTS services like OpenAI, Gemini, etc.
- Personally fine-tuned LlaMa, Text-To-Speech, and RVC model to imitate how users casually talk and speak in Discord, while also having a unique custom-trained voice, and a unique personality
- Integrated local RAG to retrieve relevant info to enhance response generation

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 REST API endpoints for CRUD operations in Spring Boot, enabling communication between the database and the front-end
- Integrated OAuth2 with Google for user authentication, account logins, and user-specific data

TECHNICAL SKILLS

Main Languages: Python, C++, C#,
Developer Tools: Git, VS Code, Visual Studio, Azure, Databricks
Libraries/Framework: React, Bootstrap, Spring Boot, FastAPI, Pytest, PySpark
Technologies: PostgreSQL, MongoDB, Amazon Web Services, Azure Cloud