

Brian Le

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EDUCATION

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

Software Developer Intern

Multnomah County

Jan. 2025 – June 2025

Portland, OR

- Refactored and upgraded services and applications from .NET Framework to .NET Core, improving speed and reliability for correctional facilities and services
- Assisted in migrating MVC services and applications from on-premise to the Azure cloud
- Updated user interface for online inmate data web service
- Developed unit tests for event handlers, ensuring proper queries are called for each specific event

Software Development Engineer in Test Intern

The Standard

Aug. 2024 – Dec. 2024

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
- 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 PII's for testing and processing operations in development environments

PROJECTS

Discord A.I. Chatbot | *Python, Javascript, FastAPI, Express.js, 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 3-8B AI model running locally, achieving over 100% faster response generation compared to cloud-based LLM and TTS solutions (e.g., OpenAI, Gemini)
- 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, and FastAPI to support a microservice architecture

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