Jaewoo Cho

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EDUCATION

Northeastern University   Seattle, WA
Masters of Science in Computer Science   *Sep. 2021 – Dec. 2023*
University of Washington   Seattle, WA
Bachelor of Science in Mathematics   *Sep. 2013 – May 2019*

EXPERIENCE

Full Stack Developer Intern   May. 2023– Dec. 2023
8BillionMinds   *Seattle, WA*
- Collaborated with a team of developers to maintain and enhance a dynamic website written in **JSP**, ensuring its functionality and performance met or exceeded user expectations
- Designed and implemented a strategic email engagement system from scratch with **Java**, resulting in a 50% increase in user profile completion rates through personalized communication campaigns and innovative user-centric approaches, effectively enhancing overall user satisfaction and engagement.
- Collaborated closely with UX/UI designers to ensure consistent and visually appealing user interfaces.
- Conducted regular code reviews and participated in debugging sessions to identify and resolve issues promptly, ensuring the site's reliability

QA Test Engineer   Jul. 2019– Jul. 2021
Samsung Electronics America   *Bellevue, WA*
- Conducted comprehensive testing and validation of device application features and functionalities using CMW/R&S lab equipment, ensuring devices met rigorous quality standards.
- Led verification processes for IP Messaging Evolution (IPME) functionalities, enhancing messaging services through detailed testing and analysis.
- Utilized simulator equipment to replicate various scenarios, accurately assessing device performance and compliance with AT&T's requirements in the 10776 Lab.

PROJECTS

Tennis pickup web app | *React, Node.js*
- Developed a full-stack web application using **Node.js** serving a **REST API** with React as the frontend
- Implemented user authentication with Auth0, enabling personalized secure login
- Built REST API using **Express.js** and **MongoDB** to store user and court data

Twinder | *Java, Tomcat, Kafka, MongoDB*
- Developed a high-performance distributed server system using **Java, Tomcat, Kafka**, and **MongoDB**
- Leveraged Kafka for efficient stream processing, significantly improving throughput and reducing latency, enabling the system to handle high-volume, real-time data streams seamlessly.
- Conducted extensive performance optimizations, including the development of multithreaded client applications for throughput and latency testing, ensuring the system's capability to manage high-load scenarios with optimal performance.

Custom Chatbot | *Python, Langchain, Django*
- Engineered a bespoke chatbot utilizing **Langchain** technology, designed to provide personalized responses to inquiries about my professional background and interests.
- Achieved seamless integration of the custom chatbot with a **Django** server, enhancing the interactivity of my personal website and significantly improving visitor engagement.

Self-driving AI | *Python, Pygame, NEAT-python*
- Developed a self-driving artificial intelligence system using **NEAT-python** for genetic algorithms.
- Designed and implemented the neural network architecture for decision-making.
- Implemented the environment using the **Pygame** library for simulation and visualization.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C#, C++, SQL, HTML/CSS
Frameworks: React, Node.js, Express, .NET, Spring, openCV, JMeter, TensorFlow, Pygame, NEAT-Python
Developer Tools: Git, Docker, AWS
Databases: MongoDB, MySQL