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

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

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.

Tab Manager | *HTML, CSS, JavaScript*
- Implemented a dynamic tab and window management features using **HTML, CSS, JavaScript** and the Chrome Extensions API
- Implemented a grouping feature that allows users to organize and access their browsing content more efficiently

Face Filter | *C++*
- Developed an augmented reality application that creates a dynamic filter in real-time video for users
- Implemented customized algorithm to detect faces and facial features using **OpenCV**
- Implemented a GUI using **Qt** to allow users to interact with the application

TECHNICAL SKILLS

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