Jaewoo Cho

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EDUCATION

Northeastern University – Seattle Campus, Seattle, WA — Sep 2021 – Present
MS in Computer Science, GPA: 4.0 / 4.0 Relevant Coursework: Building scalable distributed system, Computer Vision, Parallel Data Processing
Expected Graduation: Dec 2023

University of Washington, Seattle, WA — Sep 2013 – Mar 2019
B.S. in Mathematics,
Relevant Coursework: Advanced Statistics and Probability, Linear Analysis,

EXPERIENCE

8Billionminds, **Full Stack Developer Intern**

- Successfully contributed to the migration of web application from JSP to modern technologies, including React and Django, resulting in improved performance and maintainability.
- Spearheaded the development of responsive features, achieving 95% test coverage and ensuring a seamless user experience across devices.
- Contributed to a significant UI overhaul, enhancing the application

Democracy Lab, **Full Stack Developer Intern**

- Proactively identified and resolved high-priority code bugs and issues in **React, and Django,** ensuring uninterrupted operation of critical software components
- Actively collaborated in enhancing and optimizing the **Django** codebase, leading to notable improvements in system performance and overall reliability

PROJECTS

Tennis Pickup match web app (JavaScript, Node, React)

• I created a web app that helps tennis players connect and set up pickup matches with each other. The app was built using React, Node.js, and MongoDb, and it's easy to use. Users can search for nearby tennis courts, follow local clubs, and connect with other players to arrange matches. The app makes it simple for tennis players to find and play with others in their area, regardless of their skill level.

Scalable distributed system (Java)

• I developed and implemented a distributed system architecture that leverages Tomcat as a web server and Kafka as a message queuing system. With my configuration and integration of these technologies, I facilitated efficient and reliable communication between distributed nodes, ensuring scalability and high availability. Furthermore, I developed customized Java code to effectively manage message queues and load tested the server using jmeter to guarantee top-notch performance.

Face filter app (C++)

• I developed an augmented reality application that creates a dynamic filter in real-time video for users. The app was built using Xcode and the program was written in C++ to optimize the program's speed and ensure smooth operation.

TECHNICAL Skills

Languages: Python, Java, Javascript, C++, HTML/CSS
Frameworks: React, Node.js, Express, Kafka, Tomcat, JMeter, Git, openCV, PyTorch, Tensorflow, Spring
Databases: MongoDB, PostGreSQL, MySQL
Tools & Technologies: Git, AWS, Linux, Docker