

Jaewoo Cho

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EDUCATION

Northeastern University – Seattle Campus, Seattle, WA

MS in Computer Science, GPA: 4.0 / 4.0 Relevant

Coursework: Building scalable distributed system,
Computer Vision, Parallel Data Processing

Sep 2021 – Present

Expected Graduation: Dec 2023

University of Washington, Seattle, WA

B.S. in Mathematics,

Relevant Coursework: Advanced Statistics and Probability, Linear Analysis,

Sep 2013 – Mar 2019

EXPERIENCE

8Billionminds, Full Stack Developer Intern

- Proactively identified and effectively resolved high-priority code bugs and challenges within **React** and **Node** frameworks, ensuring uninterrupted operation of critical software components
- Orchestrated a collaborative effort to elevate the **React** codebase, leading to substantial enhancements in system performance and overall dependability.
- By leading initiatives for code optimization and continuous improvement, significantly contributed to an application that consistently outperformed expectations and exceeded user experience standards

Democracy Lab, Full Stack Developer Intern

- Proactively resolved high-priority code bugs and issues in **React** and **Django**, guaranteeing uninterrupted operation of essential software components
- Spearheaded the implementation of REST API integration using **Node.js**, driving a transformative enhancement in data retrieval and updating functionalities within the React application

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

