

# Jaewoo Cho

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## **Professional Summary**

Highly motivated computer science graduate with experience in developing scalable distributed systems and computer vision. Proficient in Python, Java, JavaScript and C++ with a strong foundation in advanced mathematics

## **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

## **TECHNICAL Skills**

**Languages:** Python, Java, Javascript, C++

**Tools & Frameworks:** React, Node.js, Express, Kafka, Tomcat, JMeter, Git, openCV, PyTorch

## **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. By leveraging these technologies, I created a seamless user experience that is sure to captivate and engage users, making the app a standout success.

## **WORK EXPERIENCE**

**Samsung Electronics America**, Bellevue, WA Jul 2019 – Jul 2021 *Quality Assurance Tester*

- tested and validated device application features and functionality using lab equipment (CMW/R&S) and different scenarios on simulator equipment, ensuring compliance with AT&T's requirements in the 10776 Lab. Specifically, I verified device behavior for IP Messaging Evolution (IPME) functionalities, basic IMS functionality (including error cases), VoLTE (calls and supplementary services), and SMS-over-IP.

