SEOHYUN (EMMA) LEE

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EDUCATION

University of Washington, Seattle   September 2022 - June 2026
B.S. in Computer Science & Engineering, Minor in Math & Business
Relative coursework: DS, OS, ML, CV, Systems, Algorithms, Data Structures & Parallelism, Databases, Foundations of Computing I, II
Overall GPA: 3.83, Dean's List

EXPERIENCE

SDE Intern   June 2025 - Sep 2025
Amazon   *Austin, TX*
· SCOT (Supply Chain Ops Tech) Team

Research Assistant   January 2024 - June 2024
UW Allen School Mobile Intelligence Lab   *Seattle, WA*
· Worked with Prof. Shyam Gollakota to create an iOS app using PyTorch and Swift to identify target speech from noisy environments for improved communication & accessibility for users with low hearing abilities.
· Collaborated closely with the systems team to **reduce audio loopback latency by 800%** from 8ms to 1ms, improving user experience. Collected audio data samples and wrote a script to create random mix samples.

CSE 311 Foundations of Computing I: Teaching Assistant   March 2025 - June 2025
Paul G. Allen School of Computer Science   *Seattle, WA*
· Taught logics and proofs, applications of logic, and theoretical CS to **200 students**.
· Led weekly sections and office hours, developed homework/exam material and led corresponding grading

FIN 205 Personal Finance: Teaching Assistant   September 2024 - December 2024
UW Foster Business School   *Seattle, WA*
· Led weekly open office hours on essential personal finance topics and provided technical support on the course platform
· Attended weekly staff meetings; supported course development and graded course material for **400 students**.
· Created a python webscraper that compiled attendance of 400+ students to automate parts of the grading process.

Executive Graphics Director   June 2023 - Present
UW COM²   *Seattle, WA*
· Created impactful social media + print graphics using Canva, Procreate, and Adobe Photoshop.
· Led a team of 3 graphics designers and promoted the computing community to **over 2,000 UW CS students + faculty**.

PROJECTS

Distributed System   March 2024 - June 2024
· Developed a small version of a distributed system in Java based on Google's Chubby based on PMMC architecture.
· Implemented key functionalities such as Paxos/PMMC protocols to ensure system integrity despite network partitions or server failures and sharded key-value storage plus transactions to enhance system performance.

xk Operating System   March 2024 - June 2024
· Developed a primitive working implementation of an operating system in C based on Unix/Linux architecture booted on real hardware.
· Implemented key functionalities such as system calls, multiprocessing/concurrency, a comprehensive virtual memory (VM) system, along with transactional logging to ensure data integrity.

SKILLS AND PASSIONS

Languages/Tools	Java, Python, C/C++, React, Swift, HTML/CSS, Git, Figma, SQL, OCaml, Linux/Unix, Firebase
Passions	Full-Stack, Web/App Dev (Android/iOS), DS, OS, ML, Algorithms, System Design, CV
Personal Skills	Problem Solving, Creativity, Organization Skills, Leadership, Motivation, Time Management, Optimism
Hobbies	Snowboarding, hiking, figure skating, piano, YouTube channel. I love exploring what the world has to offer and getting good food and personal connections on the way!