

Nathaniel Kainoa Chung-On Wai (He/him)

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EDUCATION

University of Massachusetts Amherst

Amherst, MA

College of Information and Computer Sciences

GPA: 3.8

Pursuing B.S. in Computer Science and B.S. in Statistics

Candidate, May 2025

Coursework: Operating Systems, Intro to Machine Learning, Computer Graphics, Software Engineering, Intro to Algorithms, Scalable Web Systems, Data Management, Programming Methodology, Discrete Math, Computer Systems, Data Structures

SKILLS

- **Programming Languages:** Proficient in JavaScript, Python, C, C++, Java, SQL, Java
- **Tools/Frameworks:** Proficient in Git, React, Jupyter, Node.JS
- **Spoken and Written Languages:** Fluent in English, Spanish (Intl. Spanish Academy Diploma)

PROJECTS

QuickRead News:

- Worked with six developers to create an app that provides a feed of AI-summarized news stories
- Took charge to coordinate meetings, delegate tasks, and facilitate communication between frontend and backend teams
- Learned CSS, HTML, and React Native during the scrum development

JavaScript Interpreter:

- Developed a JavaScript interpreter which executes variable assignment, arithmetic, scoping, and machine state.

C++ Multi-Threaded Banking System:

- Project using POSIX library for simultaneous deposits, withdrawals, and transactions between multiple bank accounts.

WORK EXPERIENCE

Coding With Kids LLC.

July 2023 - Present

Instructor

Seattle, WA

- Taught eleven students core concepts of programming using a project-based curriculum over four weeks

InterVarsity Christian Fellowship

February 2022 - Present

Planning and Leadership Team - Treasurer

UMass Amherst, MA

- Collaborated in a small team to plan and run weekly meetings for building a multicultural community
- In charge of managing club accounts and buying supplies and equipment

Kumon Learning Center

July - August 2022

Teaching Assistant

Bellevue, WA

- Instructed students K-8 in Algebra and Pre-Calculus while improving literacy skills and exam preparedness.

Scout Troop 254 | InterIm CDA

August 2019 - July 2020

Eagle Scout Project Leader

Seattle, WA

- Gained structural engineering and 3D design software skills to reconstruct a public elevated deck and storage area
- Collaborated with a professional construction consultant to approve the design
- Fundraised 1k in donations and materials from supply stores through a flyer campaign
- Directed eighteen volunteers in the demolition and construction, totaling one hundred manhours