

# TRACY MAI

Seattle, WA | tracytmai@outlook.com

<https://www.linkedin.com/in/tracy-mai-/> | <https://github.com/tracyymai>

## SKILLS & QUALIFICATIONS

**Certifications:** Microsoft Certified: Azure AI Fundamentals (Completed), Microsoft Certified: Azure AI Engineer (In-Progress)

**Languages & Applications:** Java, C++, Python, MongoDB, Microsoft Azure AI, Object-Oriented Programming, SQLite, Qt Creator, HTML, CSS, JavaScript, Machine Learning, Scheme, Go, MySQL, Prolog, Assembly Language

**Software Development, Quality & Testing:** Agile, Waterfall, Code Peer Review, Created Automated and Manual Tests, User Acceptance Test

## EDUCATION

**Bachelor of Science in Computer Science | Minor in Philosophy** | GPA: 3.6 | Dean's List

June 2025

Seattle Pacific University || Seattle, WA

- **Recently Completed:** Computer Architecture & Organization, Algorithm Design & Analysis, Introduction to Data Science, Software Engineering II
- **Relevant Coursework:** Data Structures and Algorithms, Applications Programming, Netcentric Programming, Cybersecurity Fundamentals, Systems Design, Statistics, Linear Algebra, Calculus I-III, Discrete Mathematics, Computer Programming I-II, Networking Fundamentals, Computer Ethics, Accounting, Database Management, AI and the Future of Work, Software Engineering I, Concepts in Programming Languages
- **Ongoing:** Operating Systems, Software Engineering Senior Capstone, Early Modern Philosophy

## EXPERIENCE & PROJECTS

**Scrum Master – SEEN ASL Translation App** || Seattle, WA

Sep 2024 - Present

- Directing a team of five in the development of a translation app designed to facilitate bidirectional communication between American Sign Language (ASL) and verbal language through ASL-to-text and text-to-ASL translation
- Storyboarded main functionalities of translation app, breaking down translation process into individual steps
- Reviewed functionalities to researched necessary technologies and refine specific acceptance criteria for each functionality
- Refining and developing code for pipeline to translate from text input, to ASL gloss, and output dynamic ASL visual
- Created automated test cases to check for account creation details, password type, and user-interface logic

**SPU Python Teacher Assistant – Seattle Pacific University** || Seattle, WA

Sep 2024 - Dec 2024

- Spearheaded grading system resulting in 30% decrease in time spent grading per assignment whilst managing 15+ mentors
- Supported ~30 aspiring computer science students weekly through interactive study sessions and personalized guidance, fostering a safe collaborative learning environment for students to hone their skills without the fear of making mistakes

**Project Manager – Husky Coding Project** || Seattle, WA

Jan 2021 - Jun 2023

- Managed a team of 7 that produced a calendar app focused on keyboard shortcuts and user personalization prioritizing time manageability, convenience; allowed users to edit font, size, colors, with pop-up notifications on desktops and smartphones
- Drafted plan to outline base functionalities and necessary steps to create calendar application
- Reviewed and developed all code from members to ensure that merge would complete without complications
- Tested application integration on various devices to ensure smooth screen orientation
- Created a website featuring a hidden name feature to connect local students by hobbies, hence removing implicit name bias

**ADA-Friendly Navigation App System Specification and Proposal** || Seattle, WA

2024

- Authored a 46 page document outlining the technical requirements, design, functionality, and implementation plan for a navigation app focused on people with physical disabilities; helping them traverse the outside world and inside buildings

**Water Tracker Computer App** || Seattle, WA

2024

- Worked as a full stack developer to create a water tracker app in C++/Qt, motivating users to meet their hydration goals

## ADDITIONAL EXPERIENCE

**Co President - Pup Support** || Seattle, WA

Sep 2021 - Present

- Conceptualized and hosts 12 stress-relieving events per school year focused on healing one's inner child through memory jar workshops, paint and sip sessions, bouquet makings, etc., acquiring 300+ participants, achieving 200% growth in participants

**Head of Community Outreach - Project Sunshine** || Seattle, WA

Sep 2020 - June 2023

- Visited Seattle Children's Hospital monthly, donating 500+ educational kits for chronically or terminally ill pediatric patients