

Calvin Kan

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SUMMARY

Outgoing, highly passionate and inquisitive student studying Computational Linguistics. Quick learner eager to absorb new information and engage in critical discussion, with excellency in both rigorous coursework and soft skills. Seeking to familiarize myself with both industry and research, and gain skills to further natural language processing technology.

SKILLS

Programming Languages: Project Experience in Java, Python, OCaml; Proficient in C, Scala, Haskell

Languages: English, Mandarin Chinese and Wu Chinese (native speaker), Japanese (N3)

Software + Tools: Bash & Unix Command Line, Git, Regex, LaTeX, Praat + ELAN (Speech Analysis)

EDUCATION

University of Washington (Seattle, WA) 2023 – 2027

Bachelor of Science, Computer Science; Bachelor of Arts, Linguistics (Expected March 2027)

GPA: 3.9

Relevant coursework: Functional Programming | Mathematical Reasoning | Probability | Data Structures and Parallelism | Syntax (Human Language) | Phonetics and Phonology | Linear Algebra and Differential Equations | Hardware-Software Interfacing | Web Tools

Honors/Awards: Dean's List 2023, 2024, 2025 | National Level Winner of AFSCME Family Scholarship

Curtis Senior High School (University Place, WA) 2019 – 2023

GPA: 4.0 (Unweighted) | **SAT:** 1560

Honors/Awards: National Merit Commended Scholar, 2023 | AP Scholar With Distinction, 2022-2023

Leadership: Student Body Vice President, 2023 | Student Body Graduation Speaker, 2023

RESEARCH AND PROJECTS

Functional Programming Language Implementation and Design Fall 2024

Designed and implemented a functional programming interpreter with Racket-style syntax and semantics, using OCaml as the metalanguage. Gained insight on the philosophy behind different programming paradigms and semantic choices, implementer-client relationships, and experience working with a long-term coding project.

Sociolinguistic Analysis of "Softness" and Masculinity (Bilaniuk) Fall 2023

Utilized several data collection methods such as surveying, interviews and media analysis to write a research paper on the correlation between gender roles and the context behind the word "soft" in various social circles. Introduction to linguistic data analysis methodology.

Residential Research Experience at Syracuse University Summer 2025

Accepted to a highly competitive 9-week research program provided by the Syracuse iSchool focused on conducting a social science research project under a professor's mentorship.

Will gain significant experience working with large-scale projects, and plan on further familiarizing myself with Python's NLP libraries as I hope to focus my project around linguistic analysis.

WORK/VOLUNTEER EXPERIENCE

- University of Washington Dawg Daze Volunteer Leader 2024
- Lifeguard, Tacoma Center YMCA 2023
- Swim Instructor, Woodlake Community Center 2023