

# MEGAN NGUY

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## EDUCATION

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**Bachelor of Computer Science**, University of California, Santa Cruz Expected June 2025

**Relevant Coursework:** Foundations of Programming Languages, Computational Models, Principles of Computer Systems Design, Computer Architecture, Introduction to Data Structures and Algorithms, Computer Systems and C Programming, Computer Systems and Assembly Language, Programming Abstractions: Python

## SKILLS

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| <b>Technical Skills</b> | <b>C, C++, Python</b> , JavaScript, <b>Swift</b> , Java, HTML, CSS, Haskell, Xcode, React, Git, SQL |
| <b>Soft Skills</b>      | Time Management, Problem-solving, Communication, Teamwork   |
| <b>Languages</b>        | English (fluent), Cantonese (proficient), Mandarin (intermediate)                                   |

## EXPERIENCE

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| <b>Web Design and Technical Projects Student Assistant</b> | Dec 2021 - Present    |
| Center for Research in Systems and Storage(CRSS) @ UCSC    | <i>Santa Cruz, CA</i> |

- edit, update, and maintain CRSS wiki using **Markdown**.
- edit and upload CRSS seminar and meeting recordings using Adobe Premiere Pro and Dropbox.
- set up cameras and recording devices for CRSS weekly seminars.

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| <b>Mobile Development Instructor Assistant</b> | Jul 2022 - Aug 2022; Jul 2023 - Aug 2023 |
| Kode With Klossy                               | <i>Mountain View, CA; London, UK</i>     |

- taught and supported **Swift** programming language and Mobile Development classes.
- assisted over 80 students with the creation of their iOS apps on **Xcode**.
- led and supported in-person and virtual (Zoom) coding camps.

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|------------------------|--------------------------|
| <b>Robotics Intern</b> | Jul 2021 - Aug 2021      |
| Code Tenderloin        | <i>San Francisco, CA</i> |

- explored different fields of robotics.
- programmed mBot with object avoidance and line-following programs.
- learned soft skills such as elevator pitch, resume writing

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| <b>Web Development Intern</b> | Jun 2019 - Jul 2019      |
| Code Tenderloin               | <i>San Francisco, CA</i> |

- built websites using **HTML** and **CSS**.
- built three web projects and presented them to mentors and fellow interns.

## PROJECTS

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### Multi-Threaded HTTP Server (in C)

- combines thread-safe queue along with single-thread HTTP server
- takes in port number along with number of threads to perform GET and PUT operations on files

### BigInteger ADT & Arithmetic (in C++)

- BigInteger ADT emulating arbitrarily large, signed integers and arithmetic operations on BigIntegers

### [To-Do List App](#)

- iOS app that utilizes **SwiftUI** and **core data** to store and remove to-do list items; built on **Xcode**

### [Procrastination Extermination](#)

- an iOS app using **Swift** and **Xcode** that serves as a tool for those who struggle with procrastination
- [Check out the demo here!](#)

### [vivo](#)

- a website that provides information and resources for high school students
- built using **HTML**, **CSS**, and **JavaScript**