

ZHIRON WU

☎ (857) 300-3514 | 📍 Cambridge, MA | ✉ zwuy@mit.edu | in: linkedin.com/in/zhironwu

EDUCATION

Massachusetts Institute of Technology

Sep. 2022 - May 2026

Candidate for Bachelor of Science in Computer Science and Engineering + Japanese Minor

GPA: 4.7/5.0

- **Coursework:** Computer Graphics, Digital Systems Laboratory, Computer Vision, Computer Systems Engineering, Intro to Machine Learning, Design and Analysis of Algorithms, Computation Structures, Linear Algebra and Optimization, Software Construction, Circuits and Electronics, web.lab.

SKILLS

- **Technical:** Python (NumPy, PyTorch), Typescript, JavaScript, C++, C, Rust, React, Linux, Git
- **Non-Technical:** Spanish (Native), English (Fluent), Japanese (Basic), French (Basic), Chinese (Heritage)

EXPERIENCE

Fundamentals of Programming

MIT EECS Department

Lab Assistant

Sept. 2023 - Present

- Lead students to a better understanding of foundational python and programming concepts, including abstract problems, algorithmic techniques, data types, and recursion.
- Review student code, offering feedback on clarity, style, and efficiency.

WEBSTAFF

Tokyo, Japan

Internship

Jun. 2025 - Aug. 2025

- Developed and enhanced software tools for internal and external use, contributing to the successful deployment of multiple projects on production websites.
- Collaborated in the design and implementation of an internal tool that automated the code review and approval process, streamlining workflows and improving team efficiency.

Computing Research Center at National Polytechnic Institute

Mexico City, Mexico

Research Internship

Jun. 2024 - Aug. 2024

- Evaluate the performance of a variety of post-quantum cryptography implementations on a resource-constrained ARM device (STM32F4-Discovery). Supervised under Dr. Gina Gallegos-García

Introduction to Python

MIT EECS Department

Lab Assistant

Feb. 2023 - May 2023

- Introduced students to introductory Python and programming concepts and helped them with their assignments, including debugging, refactoring, and testing.

Low-Level Programming in C and Assembly

MIT EECS Department

Lab Assistant

Feb. 2023 - May 2023

- Assisted in the teaching process for a course on low-level programming in C and Assembly, focusing on memory and associated topics including pointers, and how different data structures are stored in memory, the stack, and the heap.

ACTIVITIES

Ecuadorian Informatics Olympiad Organization - OIEC

Ecuador

General Volunteer

Feb. 2021 - Present

- Design and redact problems as well as create test cases for the national informatics olympiad.
- Supervise participants in national and international informatics olympiads.

Ecuadorian Mathematics Olympiad Organization - OMEC

Ecuador

General Volunteer

Feb. 2021 - Present

- Supervise and grade participants in national and international olympiads.
- Play-test and check national contests for errors, level-appropriateness, and more.

European Girls' Mathematical Olympiad - EGMO

Portorož, Slovenia

Team Leader - Ecuador

Apr. 2023

- Acted as an ambassador for Ecuador in international settings, building rapport and facilitating cooperation.