

ZHIRON WU

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Diligent junior international student seeking an internship in the software engineering industry for Summer 2025 (late May, early September).

EDUCATION

Massachusetts Institute of Technology

Sep. 2022 - May 2026

Candidate for Bachelor of Science in Computer Science and Engineering

GPA: 4.7/5.0

- **Relevant Coursework:** Introduction to Machine Learning, Design and Analysis of Algorithms, Computation Structures, Math for Computer Science, Linear Algebra and Optimization, Software Construction, Circuits and Electronics, web.lab.

SKILLS

- **Technical:** Python, Typescript, C++, C, Rust, React, Linux
- **Soft:** Problem Solving, 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.

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.

Educational Studies Program - ESP

MIT

Member, Subdirector

Sept. 2022 - May 2023

- Helped carry out educational events for local middle/high school students and the MIT community.
- In particular, I assisted in scheduling classes, publicizing programs, securing materials needed, 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.

International Olympiad in Informatics - IOI

Online from Ecuador

Proctor

Aug. 2022

- Ensured a bridge of communication between organizers in Indonesia, the Ecuadorian participants, and team leaders overseas.

Pan-American Girls' Mathematical Olympiad - PAGMO

Online

Problem Coordinator

Oct. 2021, 2022

- Formulated a comprehensive grading scheme. Fairly graded participants from 15+ different countries in Spanish and Portuguese.
- Fostered cordial and effective communication with co-coordinators, team leaders, and the rest of the organizing team.