

ZHIRON WU

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

Diligent second-year international student seeking an internship in the software engineering industry.

EDUCATION

Massachusetts Institute of Technology

Sep. 2022 - May 2026

Candidate for Bachelor of Science in Computer Science and Engineering

- **Relevant Coursework:** Computation Structures, Math for Computer Science, Linear Algebra and Optimization, Introduction to Algorithms, Software Construction, Circuits and Electronics.

SKILLS

- **Programming:** C++, C, Rust, Python, React, Typescript
- **Languages:** Spanish (Native), English (Fluent), French (Basic), Chinese (Heritage/Conversational)

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.

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.

HONORS AND AWARDS

International Mathematical Olympiad - IMO · Participation

July, 2021

Asian-Pacific Mathematics Olympiad - APMO · Honorable Mention

March, 2020

Ecuadorian National Informatics Olympiad · Gold; Ranked 1st

2020

Ecuadorian National Mathematics Olympiad · 3 Gold, 1 Silver, 1 Bronze medals

2016 - 2020

ACTIVITIES

Ecuadorian Informatics Olympiad Organization - OIEC

Ecuador

General Volunteer

Feb. 2021 - Present

- Designed and redacted problems as well as created test cases for the national informatics olympiad.
- Supervised participants in national and international informatics olympiads.

Ecuadorian Mathematics Olympiad Organization - OMEC

Ecuador

General Volunteer

Feb. 2021 - Present

- Supervised and graded participants in national and international olympiads.
- Play-tested and checked 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.