

M. Fay Garcia

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EDUCATION

University of Arizona

Tucson, AZ

College of Science, W.A. Franke Honors College

[Bachelor of Science]

September 2021 – May 2025

- **Majors:** Computer Science, Mathematics
- **GPA:** 3.383

AWARDS & ACADEMIC DISTINCTIONS

- College Board National Hispanic Scholar (2021)
- University of Arizona National Scholar Tuition Award
- University of Arizona International Baccalaureate (IB) Tuition Scholar
- University of Arizona Dean's Exemplary Award

WORK & LEADERSHIP EXPERIENCE

Undergraduate Research Experience at Stanford University

June 2024-August 2024

- Collaborated closely with Professor Sara Achour and her PhD students to prototype an online branch predictor using hyperdimensional computing
- Developed teamwork and social networking skills in collaborating with other undergraduate and graduate researchers
- Strengthened research-related skills through rigorous academic guidance

Undergraduate Teaching Assistant

August 2023 - Present

- Worked one-on-one with students in discrete mathematics and comparative programming languages to help them achieve a greater understanding of course material
- Developed and graded with rubrics for several homework assignments
- Hosted office hours as well as supplemental instruction sessions
- Worked closely with fellow TAs in brainstorming how to structure both courses to better suit students

Undergraduate Research

January 2023 – May 2024

- Worked closely with Professor Todd Proebsting on research in combinatorial optimization
- Developed a web page to implement theoretical concepts pertinent to the research

Subspace Labs Intern

July 2022

- Assisted various individuals in troubleshooting and solving technological issues
- Conducted frequency study of company's social media presence to facilitate engagement

SKILLS & COURSEWORK

Relevant Coursework

- Abstract Algebra I & II (*AY 2023-2024*)
- Real Analysis of One Variable (*Fall 2024*)
- Software Development and Computer Organization (*Fall 2024, Fall 2023*)
- Comparative Programming Languages (*Fall 2023*)
- Analysis of Discrete Structures (*Fall 2023*)
- Systems Programming and Unix (*Spring 2024*)
- Principles of Operating Systems (*Fall 2024*)

Languages

- *Native proficiency* in English & Spanish
- *Conversational proficiency* in French

Skills

- Proficient in Python, Java, Latex, MIPS (Assembly), SML, Forth, and C
- Skilled proof writing and mathematical ability
- Skilled at social media management (particularly Discord, Reddit, and Twitter)