

Ainaz Estiri

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Education

University of California San Diego | La Jolla, California USA

Expected June 2026

Masters of Science in Computer Science and Engineering

University of California Riverside | Riverside, California USA

June 2024

Bachelor of Science in Computer Science with Business Applications

GPA: 3.88

Professional Experience

NASA | AMES Research Center, California USA

June 2023 - August 2023

Cybersecurity Researcher

- Gained a solid understanding of OSSEC+ software and HIDS to develop a UML diagram to illustrate the HIDS architecture in the Urban Air Mobility environment
- Ability to work cohesively with individuals from different backgrounds and disciplines, showcasing effective interpersonal skills and contributing to the overall success of cross-functional initiatives.
- Developed & implemented test plans for HIDS to address visibility of security within UAM environment
- Co-authored a paper on HIDS for publication with mentor and coworker

NASA | AMES Research Center, California USA

June 2023 - August 2023

DEIA Support

- Identified & recommended HBCUs to technical directorates in support of HBCU technology showcase
- Successfully demonstrated strong team player attributes by actively engaging and fostering open communication with diverse teams across various departments.
- Assisted in the maintenance of distribution lists and Microsoft Teams groups
- Supported the coordination of recruiting engagement by developing recruiting schedules, registering recruiters, booking housing, etc.
- Facilitated NASA's SATERN training assessments
- Increased engagement with underrepresented communities

University of California Riverside | Riverside, California USA

September 2021 - Present

CS Lab Assistant and C++ and Mathematics Tutor

- Assist students with Operating Systems Design and C++ Lab assignments. Advise on best practices. Assess and grade student coding styles and approaches. Tutoring students.

NSF International Research | Riverside, California USA

June 2021 - September 2021

Internship - CS Researcher

- Researched approximate commuting for mathematical equations and DCT image processing with decision trees and python. Created quality images with 100% software and no hardware usage.
- Acted as Scrum Master for developing DCT image processing software prototype

UserTesting | Remote, California USA

May 2019 - Present

User Experience Tester

- Evaluate and advise on improving User Experience and User Interface design for different companies, including Apple, Google, Amazon, Ring, Verizon, and Adobe.

Publications

Co-Located 2024 AIAA AVIATION Forum and 2024 ASCEND: Aviation Technical Paper

- Cyber Resiliency and the Implementation of a Host-Based Intrusion Detection System in an Urban Air Mobility Environment

Projects and Extracurriculars

MasterCard Cybersecurity Virtual Experience Program on Forge

July 2022

- Designed a phishing email simulation and Interpret phishing simulation results.

Intern Volunteer at Dupont

June 2020 - August 2020

- Applied Python to perform data classification and drive automated decisioning

Hackathon Moderator for University of California Riverside

October 2020 - June 2021

- Moderated hackers whilst coding, answering coding questions, and referring hackers to mentors.

Technology Support Advisor at the Calabasas Library

August 2016 - June 2020

- Taught coding to children through code.org and codacademy.com. Provided network, computer, and mobile support to the elderly and children.

Technical Skills

Programming Languages: HTML 5, C++, Python, Javascript, C, Java, SQL

Tools: Google Office Suite, Microsoft Office, Adobe-Photoshop, Mac OS, iOS, Linux, Windows

Languages: English (fluent), Spanish (basic), Farsi/Persian (fluent)

Relevant Coursework

Data/Discrete Structures and Algorithms, Databases and Big-Data Management Systems, Software Engineering and Design, AI and Machine Learning Algorithms, Web Development, Technical Product Development, Entrepreneurship and Startup in Computing, Project Management, Marketing, Operating Systems, Machine Organization and Assembly Language, Financial Accounting, Micro/Macro Economics, and Statistics