

Alex Morales Flores

Research Interests: *Computer Security, Online Privacy, Networking Systems*

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Education

University of California San Diego | GPA: 3.6/4.00

(Anticipated Graduation 2027)

- PhD. in Computer Science
- Advised by Dr. Imani Munyaka

University of California San Diego

(2022 - 2024)

- M.S. in Computer Science | GPA: 3.6/4.00

Experience

University of California, San Diego | PhD Graduate Security Researcher

(2023-Present)

- Led a team of undergraduate research students in the UJIMA Security & Privacy Group through project development and assignment tasks.
- Developed python scripts to automate Android .apk static analysis through MobSF for 60 apps of interest.
- Produced script to collect privacy policy text from related websites and compare text over time.
- Automated accessibility analysis through development of a python script that utilizes adb commands.

California State University, Los Angeles | SMART Intern

(Summer 2022)

- Developed computer vision program to identify birds regardless of the image context using Intel Dev Cloud's Open VINO Inference Engine.
- Processed training images utilizing Python libraries such as matplotlib, numpy and cv2.
- Completed 1-week training, with hands-on experience, about FPGA and Verilog in Embedded Architecture Lab.

NASA | Virtual Intern

(Summer 2021)

- Delivered literature review and briefing that provided an overview of current research related to supporting life support systems for the Artemis Missions.
- Developed a briefing that detailed commercially available systems that could be used for mining materials

Coursework

Completed: Design Automation and Prototyping * Algorithms Design and Analysis * Principles of Software Engineering, Computer Security

Skills: Native Spanish Speaker, Agile Development, Unix/Linux, PGP implementation, Android Studio, Portainer, Docker, MobSF, Project Management, Linux Server Admin, GNU Debugger (GDB)

Programming Languages: Python, C++, C, Matlab Programming, Android Debugging Bridge (ADB), BASH Scripting

Selected Awards

- Hispanic Scholarship Fund
- Edison STEM Scholarship
- OSHER NextGen Scholarship Award
- ELAC Foundation CCCSE Scholarship
- NASA Community College Aerospace Scholars

Publications

A License to Prey: Investigating the Impact of Digital Loan App Regulations on Permission Requests and Privacy Policies in the Kenyan Market

"Parent seeking Roblox Safety Help": Comparing Parental Roblox Concerns to Roblox Offerings