Alexis 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 2026)
-    M.S. in Computer Science

California State University Los Angeles   (2017 - 2018)
-    B.S. in Criminal Justice | *GPA: 3.75/4.00*

Experience

University of California, San Diego| Android 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 50 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

Skills: Native Spanish Speaker, Agile Development, Linux, PGP implementation, Android Studio, Docker, MobSF, Project Management
Programming Languages: Python, C++, C, Matlab Programming, ADB

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

Leadership Experience
-    President/Founder of Huskies Computer Science Club
-    Triton Robotics
-    Volunteer at Unification of Disabled Latin Americans (UDLA)