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 Summer training, with hands-on experience on FPGA boards 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.

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), Amazon Web Services (AWS)

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

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Selected Awards
-   Computer Science & Engineering Departmental Fellowship
-   Hispanic Scholarship Fund
-   Edison STEM Scholarship
-   OSHER NextGen Scholarship Award

Publications
-   DOI: 10.1145/3733816.3760754
-   DOI: 10.1109/ISTAS61960.2024.10732051
-   DOI: 10.1109/ISTAS61960.2024.10732489
-   DOI: 10.48550/arXiv.2410.16520