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Luis Baez

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WORK EXPERIENCE

Associate Researcher

Smart Information Flow Technologies (SIFT)

- Research and develop state-of-the-art cybersecurity technologies for critical government problem solutions.
- Leverage open-source systems, virtualization, and various programming techniques to build a strong PoC.
- Adapt offensive and defensive security standards from MITRE ATT&CK and NIST frameworks.

July 2022 - Current

Lexington, MA

Graduate Researcher

University of South Carolina

- Developed and maintained front-end and back-end ArcGIS web application solutions for South Carolina DoT.
- Utilize JavaScript, HTML, CSS, Dojo.js, Angular.js and Node to build original ArcGIS widgets and plugins.
- Use GitHub and ArcGIS Web Builder to deploy new features and present to clients.

April 2021 - May 2022

Columbia, SC

Software Engineer in Test Intern

CVS Health

- Develop JavaScript automation functions for three different mobile, web, and desktop applications.
- Leverage Cucumber.js, Karma.js, Chai + Mocha.js, Node and Angular technologies.
- Participate in Agile project workflow with weekly scrum meetings and bi-weekly sprints.

May 2020 - August 2020

Cumberland, RI

ACADEMIC EXPERIENCE

UofSC Cybersecurity President

University of South Carolina

- Guided an open environment for undergraduate and graduate students to study cybersecurity
- Presented and led in-depth discussions on security engineering, vulnerability research, and cyber crime
- Cultivated hands-on ethical hacking experiences leveraging OverTheWire, HackThisSite, VulnHub, and TryHackMe

August 2019 - May 2021

Columbia, SC

UofSC Cybersecurity

University of South Carolina

- Palmetto Cyber Defense competition - 2019 3rd Place - Windows Active Directory, Windows Server 2008
- Southeast Collegiate Cyber Defense Competition - 3x Participant - Palo Alto Firewall, Cent OS E-Commerce
- CUhackit 2019 - Splunk Boss of the SOC - 1st Place - Splunk SIEM
- BSides CTF - 4x Participant - Linux/Unix, Bash, Wireshark, Ghidra, Steganography, OSINT, Cryptography

August 2017 - May 2022

Columbia, SC

EDUCATION

Bachelor of Science, Computer Science

University of South Carolina, Columbia

Study Topics: Computational Algorithms, Operating Systems, Compiler Design, Network Security.

August 2017 - May 2021

GPA: 3.66

Masters of Science, Computer Science

University of South Carolina, Columbia

Study Topics: Neuromorphic Computing, Computer System Security, Wireless Systems in IoT.

August 2021 - May 2022

GPA: 4.00

SKILLS

Languages

Python, Java, C, C++, Rust, JavaScript, \LaTeX , Markdown

Software

Wireshark, Gimp, VirtualBox, Docker, Github, Apache Subversion, Firebase, Jenkins, Tensorflow

Systems

Windows, Mac OS, Debian, Redhat, Ubuntu, Arch