



ANTHONY HALLAK

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EDUCATION

University of California, Riverside
Computer Science with Business Applications B.S.

August 2018 - June 2022
GPA: 3.66

EXPERIENCE

Undergraduate Research Assistant
Prytaneum - School of Public Policy

July 2020 - Present

- Wrote multiple unit tests with Jest to ensure the functionality of several different components
- Wrote various Storybooks for the components to test the UI parts for 50 percent more code coverage
- Automated documentation generation using Typedoc and Jsdoc with the better-docs plugin

Engineering Ambassador - Campus Tour Guide
Undergraduate Admissions - University of California, Riverside

April 2019 - Present

- Introduce hundreds of prospective freshmen and transfer students to the Bourns College of Engineering
- Ensure that all attendees receive correct and up-to-date information during the tour
- Promote a positive image of college life and higher education to prospective visitors

Penetration Tester - Contract Auditor
Piñata Farms

August 2020 - September 2020

- Identified 3 critical vulnerabilities in a Vue web application, including the ability to appear as a different user
- Utilized Burp Suite to intercept and modify web requests, as well as repeat requests to comment as someone else
- Discovered and reported GraphQL queries that exposed user information

Linux Administration Lead
Western Regional Collegiate Cyber Defense Competition (WRCCDC) - 3rd in Service Uptime for 2020

October 2018 - Present

- Wrote automation scripts that properly configure endpoints and saved 15-25 minutes across 6 machines
- Repaired and reconfigured SMTP email using postfix to allow LDAP users to send and receive emails
- Audited around 50 users and services running to safeguard machines against 70% more bad actors

PROJECTS

GoShark - CitrusHack 2020 - Winner of the Cybersecurity category

April 2020

- Captured 100% of incoming and outgoing packets from a specified network interface device
- Generated a \LaTeX document summarizing all found vulnerabilities enabling users to quickly identify areas of weakness 60% more easily

EvilPi - CitrusHack 2019 - Winner of the Cybersecurity category

April 2019

- Created a wardriving Raspberry Pi to cut time of Evil Twin attacks by around 30 minutes
- Automated the Aircrack-ng suite to deauthenticate a wireless network and capture handshakes of up to 100 devices
- Sent the captured handshake to Google Cloud Platform (GCP) to crack the WiFi password

TECHNICAL STRENGTHS

Programming Languages: C++, Java, Python, Bash, Golang, TypeScript, JavaScript

Technologies: Debian & RedHat Linux, GCP, MongoDB, Metasploit, Wireshark, Burp Suite, Storybook, React, Jest

EXTRA-CURRICULAR

Cyber@UCR: President, Linux Admin for the WRCCDC team,
Collegiate Penetration Testing Competition Co-Captain for 2019, CTF team lead, Captain of pwnLANDir\$
UCR Programming Competition 2019: 3rd place overall, 1st in the beginner category