



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, as well as 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

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

October 2018 - Present

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

- 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

April 2020

CitrusHack 2020 - Winner of the Cybersecurity category

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

EvilPi

April 2019

CitrusHack 2019 - Winner of the Cybersecurity category

- 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 upto 100 devices
- Sent the captured handshake to Google Cloud Platform (GCP) to crack the WiFi password

bytesOnline

January 2019

RoseHack 2019 - Winner of the "Best Use of MongoDB" category

- Designed a web app that takes a food order and stores it in a MongoDB database
- Implemented a React front-end and Node.JS as the back-end to interface with the database

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,
CPTC Co-Captain for 2019, CTF team lead, Captain of pwnLANDir\$
UCR Programming Competition 2019: 3rd place overall, 1st in the beginner category