



# ANTHONY HALLAK

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## EDUCATION

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

*August 2018 - June 2022*  
*GPA: 3.66*

## EXPERIENCE

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**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

**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

**Penetration Tester - Co-Captain**

September 2019 - Present

*Collegiate Penetration Testing Competition (CPTC)*

- Enumerated and scanned 15 different machines across an enterprise network for vulnerabilities
- Identified 5 critical vulnerabilities in 3 machines to report before attackers could exploit them
- Reported the discovered vulnerabilities to the proper channels to mitigate 80% of known attack vectors

## PROJECTS

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**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

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

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

## EXTRA-CURRICULAR

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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