



# 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*

## TECHNICAL STRENGTHS

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**Programming Languages:** C++, Python, Golang, Java, Git, Bash,  $\text{\LaTeX}$ , TypeScript, JavaScript  
**Technologies:** Debian & RedHat Linux, GitHub, Metasploit, Burp Suite, Wireshark, Storybook, React, Jest

## EXPERIENCE

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**Undergraduate Research Assistant** July 2020 - Present  
*Prytaneum - School of Public Policy*

- Wrote and developed multiple unit tests with Jest and Storybooks for 50 percent more code coverage
- Automated documentation generation using Typedoc and Jsdoc with the better-docs plugin
- Designed a settings page for users to provide feedback, change their password, and enable dark mode

**Engineering Ambassador - Campus Tour Guide** April 2019 - Present  
*Undergraduate Admissions - University of California, Riverside*

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

**Penetration Tester - Contract Auditor** August 2020 - September 2020  
*Piñata Farms*

- 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, bolstering their exfiltration defense by 70%

**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

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**GoShark - CitrusHack 2020 - Winner of the Cybersecurity category** April 2020

- Captured 100% of incoming and outgoing packets from a specified network interface device
- Analyzed the packets for plain text transmission of critical data to notify the user of insecure communications
- Generated a  $\text{\LaTeX}$  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

## EXTRA-CURRICULAR

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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