


# 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: 3.71*

## 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, React

## EXPERIENCE

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**Undergraduate Research Assistant** July 2020 - Present  
*Prytaneum - School of Public Policy, University of California, Riverside*

- Designed a settings page for users to change their personal information, email, and password.
- Wrote and developed multiple unit tests with Jest and Storybook for 50% more code coverage
- Automated documentation generation using Typedoc and Jsdoc with the better-docs plugin

**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 information about academics, student life, and campus opportunities in large and small group tours
- Promote a positive image of college life and higher education at UCR through engaging and inclusive language

**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

**Linux Administration Lead – Captain** October 2018 - Present  
*Western Regional Collegiate Cyber Defense Competition (WRCCDC) - 3rd place overall in 2021*

- 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 an estimated 50 users and services running to safeguard machines against 70% more attacks

## PROJECTS

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**Citrus-SIEM - CitrusHack 2021 - Winner of the Cybersecurity category** April 2021

- Utilized Material UI in React and Typescript to make a fanciful and responsive user display
- Implemented the core server logic in Golang for safe, garbage collected web concurrency
- Wrote PowerShell and Bash scripts to automate the information forwarding

**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 the vulnerabilities enabling users to quickly identify areas of weakness

**EvilPi - CitrusHack 2019 - Winner of the Cybersecurity category** April 2019

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