ANTHONY HALLAK

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EDUCATION

University of California, Riverside *August 2018 - June 2022*
Computer Science with Business Applications B.S. *GPA: 3.70*

TECHNICAL STRENGTHS

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

EXPERIENCE

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

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

PROJECTS

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 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 of up to 100 devices
· Sent the captured handshake to Google Cloud Platform (GCP) to crack the WiFi password

EXTRA-CURRICULAR

· Cyber@UCR: President, Linux Admin for the WRCCDC team 2018 & 2019, Captain for 2020
· Collegiate Penetration Testing Competition Co-Captain for 2019, Linux Lead for 2020, Wildcard Winners for 2020
· UCR Programming Competition 2019: 3rd place overall, 1st in the beginner category