

# Nicholas Graca

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## TECHNICAL SKILLS

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- **Languages:** Python, Bash, Java, C, MySQL, MIPS Assembly, PowerShell
- **Technologies:** Wireshark, VMware, Git, Docker, Linux, F5, Ansible, Networking, Nginx, Burp, SQLmap

## EXPERIENCE

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**Sherwin-Williams** | Application Security Intern May 2019 - December 2019

- **Upgrade F5 WAF:** Wrote scripts to test F5 functionality after version upgrade
- **Automate F5:** Used Ansible playbook to automate the deployment of new objects to F5
- **Audit F5:** All F5 code was in GitHub which allowed us to audit the configuration
- **Internal Web Application Penetration Test:** Performed a manual Penetration Test on an internal application and worked with the developers of the application to remediate vulnerabilities to make us a more secure company and to work along side with and teach Developers how to securely code.

**RIT iSchool Department** | Lab Assistant November 2018 - May 2019

- **Maintenance:** Configured the equipment in the labs for classes and appliance upgrades/replacements to allow students to learn on the most up to date hardware.
- **Troubleshooting:** Help students with their lab if some of the equipment was broken so that they can complete their assignments.

**RIT** | Research Assistant September 2017 - September 2018

- **Game Testing:** Assessed the quality of an application designed to teach digital forensics at a college level.
- **Web Site Maintenance:** Tested and maintained the web application.

## PROJECTS

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### Home Lab

- **Honeypot:** Had a Raspberry Pi running Cowrie, a SSH/Telnet honeypot and posted results to a Kippo-Graph web server.
- **Pihole:** Setup Pihole on a Raspberry Pi in a Docker container which is a DNS server that blocks known advertisement domains
- **External Access:** It also had a VPN which allowed me to connect to my internal network to safely maintain all the machines.

## EDUCATION

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**Rochester Institute of Technology**

BS Computing Security

Graduating December 2020

Minor in Networking and Systems Administration

**Department GPA: 3.54 Overall GPA: 3.01**

Dean's List: Fall 2018, Spring 2019

## ADDITIONAL EXPERIENCE & ACHIEVEMENTS

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- Member of the RIT Men's Division III Varsity Swimming and Diving team from Fall 2016 to 2019.
- Member of the RIT Security Club called RITSEC and the RIT Networking Club called NextHop
- Competed in and helped run Incident Response Security Competition (IRSEC 3rd Place), Information Security Talent Search (ISTS) and the Network and Systems Infrastructure Competition (NSIC), competitions hosted by RITSEC and NextHop.