

# 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** Graduating December 2020  
BS Computing Security 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
- Incident Response Security Competition (IRSEC 3rd Place) - Competed in 2017 and then helped run 2018-Present
- Information Security Talent Search (ISTS) - Competed in 2017 then helped run 2018-Present
- Network and Systems Infrastructure Competition (NSIC) - Competed in 2018 and then helped run in 2019