

# Nicholas Graca

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## TECHNICAL SKILLS

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- **Languages:** Python, Java, C, MySQL, MIPS Assembly, Bash, PowerShell
- **Technologies:** Wireshark, VMware, Git, Docker, Windows, Linux, Mac, F5, Networking

## EXPERIENCE

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### Sherwin-Williams

Cleveland, OH

*Application Security Intern*

*May 2019 - December 2019*

- **F5:** Participated in upgrading the version of the F5 which required us bringing down some websites. Worked with a team of people to automate certain processes in the F5. Staying up to date with the F5 software allows us more control over the websites that we are responsible to secure. All of configuration files for the F5 are in source code control which allows us to audit our Code.
- **Internal 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 teach Developers how to securely code.

### RIT IST Department

Rochester, NY

*Lab Assistant*

*November 2018 - May 2019*

- **Maintenance:** Configure 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

Rochester, NY

*Research Assistant*

*September 2017 - September 2018*

- **Game Testing:** I worked under Professor Yin Pan to develop her Gamified Digital Forensics Course Modules for Undergraduates. These courses taught the basic concepts of Computer Forensics to students.
- **Web Site Maintenance:** Went through the website that hosted the game to make sure everything was in working order.

### YMCA

New Bedford, MA

*Swim Coach*

*Summer 2018*

- **Coaching:** In charge of creating the practices and instructing various ages on how to fix their different strokes. In the end all the swimmers improved in their technique over the course of the summer.

## PROJECTS

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- **Home Lab:** I have configured my own network at home.
  - Had a raspberry pi running cowrie which is a SSH/Telnet honeypot which would then post results to a kippo-graph web server.
  - Setup a raspberry pi as PiHole which is a DNS server that blocks ads over both IPv4 and IPv6.
  - Configured my router to port-forward to my honey pot to expose the SSH, Telnet, and web server. 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

Rochester, NY

*Bachelors of Science in Computing Security with a minor in Networking and Systems Administration*

**GPA: 3.01/4.0**

**Expected Graduation: December 2020**

*Dean's List: Fall 2018, Spring 2019*

## ADDITIONAL EXPERIENCE & ACHIEVEMENTS

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- I have been a member of the RIT Men's Division III Varsity Swimming and Diving team from Fall 2016 to present.
- I have been an active member in the RIT Security Club called RITSec and the RIT Networking Club called NextHop
- I have competed in and helped run Incident Response Security(IRSec), Information Security Talent Search(ISTS) and the Network and Systems Infrastructure Competition(NSIC) which are competitions held by the clubs mentioned above.