

# Nicholas Figgins

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## EDUCATION

### Bachelor of Arts in Computer Science; Bachelor of Arts in Mathematics

August 2017 - May 2021

*University of Virginia*, Charlottesville, VA GPA: 3.61/4.0

- CS GPA: 3.71; Math GPA: 3.45

*L'Institut d'Etudes Politiques de Lyon*, Lyon, France GPA: 3.85/4.0

June 2019 - July 2019

- Studied French language and conversational skills in a six week study abroad program.

## SKILLS

**Languages:** Python, Java, C++, C, JavaScript, HTML/CSS, x86 Assembly

**Libraries/Frameworks:** React.js, Node.js, Flask, Django

**Certifications:** JP Morgan Virtual Experience, Google Digital Garage

**Hackathons:** RamHacks 2019 (code on Git), HealthHacks 2019 (code on Git)

## RELEVANT EXPERIENCE

### Software Engineer Intern

June 2020 – Present

*Cress Health*, Providence, RI (Remote)

- Working on the backend services (Node.js) for the Callie mobile app and Brand Representative web portal.
- Planning and designing database architecture, implementing API methods, and writing insightful test cases.

### Technology Intern (Cancelled due to COVID-19)

June 2020 - August 2020

*CarMax*, Richmond, VA

### Information Security Intern

August 2019 – March 2020

*University of Virginia Security Operations Center*, Charlottesville, VA

- Monitored and triaged security alerts received from faculty & students with a team of interns with ServiceNow.
- Queried Splunk database and utilized NetAdmin to identify compromised systems and potential security threats.
- Optimized and automated many security processes in daily use to analyze security inquiries.

### Web Development Intern

August 2018 - May 2019

*WNRN Radio*, Charlottesville, VA

- Utilized HTML, CSS, and JavaScript to improve website structure and responsiveness for users.
- Created widgets for advertisements, image presentation, and article presentation for the use of the producers.
- Redesigned web scripts which connect with Spintron, providing a live feed of the songs playing on the station.

## PROFESSIONAL EXPERIENCE

### Undergraduate Researcher

April 2020 – Present

*UVA Security Research Group*, Charlottesville, VA

- Researched and implemented adversarial machine learning defenses for malware classification with deep learning.

### Coding Instructor

June 2020 – Present

*KidzToPros*, San Francisco, CA (Remote)

- Taught week-long boot camps of 10-12 K-12 students in topics such as Java, Machine Learning, and Game Design with Lua (C++ Scripting Language).

### Council Member

August 2018 – May 2019

*Lambeth Residence Association Council*, Charlottesville, VA

- Worked with a team of 6 students to brainstorm, design, and organize events/social gatherings for 800 residents.

## PROJECTS

### Spotipie.com

March 2020 – Present

*Developer*

- Dashboard to display Spotify user data and audio analysis charts. The application leverages the Spotify Web API for authentication and data collection for artists, albums, and tracks.
- Stack: Flask, React.js, SQL, Heroku, Chart.js

### Tuber

January 2020 – May 2020

*Developer and Testing Manager*

- Website built with Django that allows UVA students to request/engage in quick tutoring sessions with other students.
- Developed testing plans, utilized TravisCI to support continuous integration, and facilitated beta testing.