Nick 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, SQL
Libraries/Frameworks: React.js, Node.js, Flask, Django
Technologies: Splunk, ServiceNow, Heroku
Hackathons: RamHacks 2019 (code on Git), HealthHacks 2019 (code on Git)

RELEVANT EXPERIENCE

Software Engineer Intern   June 2020 – August 2020
Cress Health, Providence, RI (Remote)
- Developed and designed solutions for the database architecture to serve the front end of the mobile application.
- Implemented API methods (Node.js) and wrote insightful test cases using Mocha to evaluate functionality.

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 ServiceNow to assess risks.
- 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 Spinitron, 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 – August 2020
KidzToPros, San Francisco, CA (Remote)
- Taught week-long boot camps of 10-12 K-12 students in topics such as Java and object-oriented programming, boolean logic, and game design with Lua (C++ scripting language).

Council Member   August 2018 – May 2019
Lambeth Residence Association Council, Charlottesville, VA
- Brainstormed, designed, and organized events and social gatherings for 800 residents with a team of 6 students.

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 to provide insight about a user's listening habits.
- Stack: Flask, React.js, MySQL, Heroku

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.