

# Tobias J. Schneider

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(571) 327-7098

[schneidertj@vcu.edu](mailto:schneidertj@vcu.edu)

[github.com/tobyschneider](https://github.com/tobyschneider)

[linkedin.com/in/tobiasjschneider](https://www.linkedin.com/in/tobiasjschneider)

<b>OBJECTIVE</b>	I am a junior at VCU studying computer science, seeking an internship for Summer 2018. My expected graduation date is May 2019. I am primarily interested in cyber/information security and machine learning.	
<b>TECHNOLOGY</b>	<i>Languages:</i> Python, Java, C/C++, HTML/CSS/JavaScript, SQL, R <i>Tools &amp; Libraries:</i> vim, bash, git, gcc/gdb, numpy, pandas, scikit-learn, TensorFlow, Metasploit, Wireshark <i>Operating Systems:</i> Linux/*BSD (Arch, Ubuntu, Kali, OpenBSD), Windows (Server)	
<b>PROJECTS</b>	<i>Mid-Atlantic Collegiate Cyber Defense Competition (MACCDC)</i>	Spring 2018
	<ul style="list-style-type: none"><li>• Worked under pressure to defend several web servers from professional penetration testers</li><li>• Performed Linux/Windows server administration (Active Directory), hardening, and firewall management (iptables/Windows Firewall)</li><li>• Promptly wrote and delivered incident response and malware analysis reports as a collaborative effort</li><li>• As part of the VCU team, qualified for regional finals (only top 8 schools out of 33 qualified)</li></ul>	
	<i>Operating System Simulator</i>	Fall 2017
	<ul style="list-style-type: none"><li>• Worked on a team of 3 to build an OS simulator in C++/Python</li><li>• Implemented fundamental OS concepts such as CPU scheduling, virtual memory, and multiprocessing</li></ul>	
	<i>fi(n)do</i>	Built at Bitcamp Spring 2016
	Worked on a team to build a "seeing eye" robot (Raspberry Pi/Roomba/Foscam camera) that follows the user, snaps pictures of nearby objects and uses the CloudSight image recognition API to determine what the objects are. It then dictates a description to the user using text to speech.	
	<ul style="list-style-type: none"><li>• Integrated OpenCV (computer vision library) in Python to detect the user's position by detecting their feet from camera input</li></ul>	
<b>EDUCATION</b>	<i>B.S. - Computer Science (graduating May 2019)</i> Minor in Mathematics Virginia Commonwealth University, Richmond, VA Relevant coursework/activities:	August 2015 - present
	<ul style="list-style-type: none"><li>• Cyber Security (CMSC 413)</li><li>• Algorithm Analysis and Advanced Data Structures (CMSC 401)</li><li>• Operating Systems (CMSC 312)</li><li>• VCU Cyber Security Club</li></ul>	
<b>AWARDS</b>	<i>SANS Institute - CyberStart CTF</i>	August 2017
	<ul style="list-style-type: none"><li>• Placed in the top 3.4% of competitors (rank 133/3935)</li></ul>	