

MARCUS WANNER

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<https://marcus.wannerners.net/>

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Background

- **Projects:** <https://github.com/marcuswanner>
- **Languages:** Python, C, bash.
- **Toolbox:** Vim, git, gdb, wireshark, ssh, Arch Linux, i3wm.
- **Domains:** Systems, networking, security.

Experience

- **ViaSat** Cybersecurity Engineer *July 2018–present, Carlsbad, CA*
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 - Tested and integrated deception-based network security systems (*internship, May–Aug 2017*).
- **Populus Group** Embedded Security Engineering Contractor *Sept 2016–May 2017, remote*
 - Supported ongoing development of General Motors firmware analysis tool.
- **General Motors** Embedded Security Engineering Intern *May–Aug 2016, Warren, MI*
 - Designed and implemented a Python-based embedded Linux firmware validation tool, including plugin support and a web interface.
 - Prototyped and assessed secure time synchronization protocol options.
 - Communicated security requirements with global supply chain partners.
- **NetApp** Technical Marketing Intern *May–Aug 2015, Durham, NC*
 - Implemented proof-of-concept NetApp integrations to support marketing objectives.
- **Biocomplexity Institute of Virginia Tech** Undergraduate Research Asst. *Jan 2015–Aug 2016*
 - Developed and optimized secure genomics data processing pipelines to support Dr. H. Garner’s “junk DNA” variability research.
- **JDSU** Software Automation Co-Op *May 2013–Aug 2014, Salem, VA*
 - Designed and implemented a framework and API for testing JDSU’s embedded GUI applications via a network debug interface.
 - Implemented serial drivers and configuration interfaces for DSL-related test fixtures used in modem factory acceptance testing.

Education

- **Virginia Tech** Bachelor of Science, Computer Science, *magna cum laude* 2014–2018
 - **Linux and Unix Users Group at Virginia Tech** President 2017–2018
 - **WUVT FM 90.7 Blacksburg** IT Director 2017–2018
 - **RockSat-X** Radio Subteam Lead (space-based AIS and ADS-B reception) 2016–2017

The latest version of this document is available at <https://marcus.wannerners.net/resume.pdf>