

MARCUS WANNER

marcus@wanners.net

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

August 16, 2017

Education

- **Virginia Tech College of Engineering** Blacksburg, VA *Class of 2018*
 - Pursuing BS in Computer Science. GPA: 3.81
 - President, Linux and Unix Users Group at Virginia Tech.

Background

- **Languages:** Python, C, Bash
- **Toolbox:** ssh, vim, git, gdb, Python's pdb, Wireshark, Arch Linux

Work Experience

- **ViaSat** Carlsbad, CA *Cybersecurity Engineering Intern, May-Aug 2017*
 - Integrated deception-based security systems for the Secure Network Systems group.
- **General Motors** Warren, MI *Embedded Security Engineering Intern, May-Aug 2016*
 - 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 hardening requirements with global supply chain partners.
- **Populus Group** Troy, MI *General Motors Contractor, June 2016-May 2017*
 - Supported ongoing development of GM firmware analysis tool.
- **NetApp** Durham, NC *Technical Marketing Intern, May-Aug 2015*
 - Implemented proof-of-concept NetApp integrations to support marketing objectives.
- **Biocomplexity Institute** Virginia Tech *Undergraduate Research Assistant, Medical Informatics and Systems Group, Jan 2015-Aug 2016*
 - Developed and optimized secure genomics data processing pipelines to support Dr. H. Garner's "junk DNA" and somatic microsatellite variability research.
- **JDSU** Salem, VA *Software Automation Co-Op, May 2013-Aug 2014*
 - 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 factory test fixtures to enable modem factory acceptance testing.

Projects <https://github.com/marcuswanner>

- Radio Subteam Lead @ RockSat-X, creating a USRP-based suborbital payload. (2016–2017)
- Founder of NXT-Python, a Python library for Lego NXT robotics (2009–2014)
- Eagle Scout, Boy Scouts of America. (2014)

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