

Timothy Myers
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Education

- B.S., Computer Science, Tennessee Technological University, 2011. GPA 3.95

Work Experience

- 2011 – Current, ADTRAN Inc.
Senior Software Development Engineer
 - Designed physical testbed and wrote initial automated tests, for a packetized T1 feature.
 - Analyzed Assembly for Intel 8080 to reverse engineer a direct-memory API.
 - Developed device driver for an FPGA used to process and handle Voice over IP packets.
 - Interviewed potential co-op and new hire candidates.
 - Represented ADTRAN to a customer during an event for interoperability verification.
 - Integration of Linux kernel into proprietary Linux product distribution.
 - Contributed Linux Watchdog kernel module change back to Linux.
 - Designed and implemented infrastructure for Secure Boot enforcement on embedded products
 - Performed as Scrum Master for a remote team during COVID-19 pandemic in 2020.

Skills

- Proficient in: GNU/Linux, Microsoft Windows
- Proficient in: C++, C, Javascript, Python, Bash, Make
- Developing Software in an Embedded Environment
- Debugging Complex Software Issues
- SAFe (Scaled Agile Framework) 5 Scrum Master Certified

Personal Projects

- Python chess engine with a RESTful interface.
- Javascript Web GUI interface for previous Python chess engine.
- Python implementation of the Portable Game Notation for archiving chess games.
- Python plugin for Elite Dangerous Market Connector to calculate exploration earnings.
- Debian Linux home server which provides the following services:
 - ssh, stfp/ftp, git, samba, apache

Open-Source Contributions

- Linux Watchdog driver module change
- Bug fixes for Coriolis shipyard site for Elite: Dangerous
- Added feature to Mines3D Android application
- Bug fixes and features in COMP/CON companion site for Lancer Tabletop Role Playing Game