

**Objective** To obtain a full-time position in embedded software, firmware engineering, or comparable field

**Education** Missouri University of Science and Technology December 2017  
**B.S. Computer Engineering** **GPA: 3.605/4.0**

**Experience**

Garmin International Olathe, KS  
**Software Engineer II** July 2018 – Present

- Work with debugging multicore ARM embedded hardware systems
- Build embedded Linux images using the Yocto build system
- Experience with a variety of real-time operating systems & techniques

**Software Engineer I** Jan 2018 – July 2018  
**Software Engineering Intern** May 2017 – Aug 2017  
**Software Engineering Intern** Jun 2015 – Aug 2015

Dave Engineering Design Group St. Peters, MO  
**Software Engineer I (Co-op)** Jan 2016 – June 2016

- Develop embedded hardware schematics using OrCAD
- Lead architect for Linux firmware development using Yocto build system
- Digital signal processing for accelerometer motion tracking

**Firmware Engineering Intern** May 2014 – Aug 2014

The American Legion Boys State of Missouri Warrensburg, MO  
**IT & Operations Staff** Jun 2013 – Present

- Manage Azure cloud server administration and application backend

**Mobile Platforms Project Manager** Jun 2015 – Dec 2016

- Coordinate team of five developers across iOS, Android, and Windows Phone platforms
- Develop consistent cross-platform user experience standards & graphics
- Maintain timeline for feature implementations

Missouri S&T Solar Car Team Rolla, MO  
**President** Aug 2015 – Aug 2016

- Lead team to finish 4<sup>th</sup> in first road race in six years
- Manage fundraising and corporate relations
- Organize team outings and events

**Vice President of Manufacturing** Aug 2014 – Aug 2015

- Oversee the design and construction of the solar car
- Develop and effectively execute a timeline for the build process
- Manage the integration of the electrical and mechanical systems

**Software Development & Electrical Team Lead** Sept 2013 – Aug 2014

- Design a lithium-ion battery management and protection system
- Wrote a telemetry display, logging, and data analysis suite in Java

Missouri S&T Residential Life Rolla, MO  
**Resident Assistant** Aug 2014 – May 2015

- Provided intentional programming to enrich residents socially, academically, and professionally
- Promoted interactions between residents to encourage the development of a strong community

**Skills** C Java C++ KiCAD OrCAD Eagle CAD  
Azure HTML SQL BASH LTSpice Solidworks