

# Jesse L. Cureton

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Objective To obtain a Software Engineer position developing high quality, performant software infrastructure

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

Experience Uber Advanced Technologies Group Pittsburgh, PA  
**Software Engineer I (L3)** Oct 2019 – Present

- Lead design of a Yocto-based Linux OS to support multiple autonomous vehicle platforms
- Build distributed systems in GoLang to orchestrate Docker software across in-vehicle targets
- Coordinate cross-team support of my team's infrastructure products with internal customers
- Model complex problems as directed graphs in a deterministic C++ runtime environment

Garmin International Olathe, KS  
**Software Engineer II** July 2018 – Oct 2019

- Develop high performance graphics drivers for Linux's Direct Rendering Manager
- Build embedded Linux images using the Yocto build system & custom tooling
- Develop drivers & applications for a variety of bare metal & RTOS platforms

**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

Proficiencies GoLang C C++ Linux Yocto Docker  
Javascript Java Python Azure & AWS SQL KiCAD