

# William Lorey

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## Education

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Missouri University of Science and Technology (Missouri S&T)

May 2019

**B.S. Computer Engineering**

**GPA 4.0/4.0**

**Minor: Computer Science**

## Experience

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Microsoft

Redmond, WA

**Software Engineer**

*Aug 2019 – Present*

- Managed releases, customer support, led feature work in TypeScript, and coordinated testing for the Azure Storage Extension for VS Code as the project's owner
- Rearchitected the Azure Storage Extension's backend to use a platform-specific CLI resulting in more performant resource transfers, the removal of transfer size limits, and the ability to perform multiple transfers at the same time
- Added support for the Azurite Emulator allowing users to interact with Azure Storage locally, directly within VS Code
- Flattened the learning curve for configuring project settings in the Azure Static Web Apps Extension for VS Code by linking pertinent sections in configuration files to simple UI elements
- Mentored three undergraduate students in interview preparation, resume review, and early in career topics

Garmin International

Rolla, MO

**Software Engineering Intern**

*May 2018 – Aug 2018*

- Developed avionics verification software in C to ensure robustness, government compliance, and code coverage
- Analyzed input routing for an avionics flight deck simulator and streamlined the process resulting in an 8% reduction in code

Missouri S&T Solar Car Team

Rolla, MO

**President**

*Aug 2017 – Aug 2018*

- Led a 40-person interdisciplinary team of volunteers in constructing Missouri S&T's 2018 Solar Car, *Independence*
- Secured 2.5x growth in financial contributions for the team from on-campus organizations
- Allocated and managed a six-figure budget towards designing, building, testing, and racing the vehicle

**Logistics Manager**

*Aug 2016 – Aug 2017*

- Raced in and managed team/race logistics for the 2016 American Solar Challenge and 2017 Formula Sun Grand Prix. *In 2016, our 18-person team achieved 4th place in North America*

**Electrical/Software Team Member**

*Aug 2015 – Aug 2018*

- Designed, implemented, and tested a driver interface PCB and related software in C to control and drive the Solar Car
- Engineered a database system using SQL and PHP enabling long distance telemetry for near real time data tracking
- Developed battery characterization software in Python used in constructing the car's battery pack

LMI Aerospace

Cuba, MO

**.NET Developer Intern**

*May 2017 – Aug 2017*

- Expanded and maintained a C# .NET system used by over 130 employees for tracking customer order statuses, factory processes, reporting, production TV displays, and government compliance as the facility's sole developer

The Boeing Company

St. Louis, MO

**Information Technology Intern**

*May 2016 – July 2016*

- Implemented a social network using SharePoint centered around promoting innovation from a division of 300+ Boeing employees. *Project was winner of the 2016 Boeing ITCS Intern Challenge*

## Honors and Activities

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Boy Scouts of America – **Eagle Scout**

Collegiate Eagle Scout Association – **Vice President, Treasurer**

Missouri S&T – **Dean's List** (Fall 2015 – Spring 2019)

Missouri S&T Computer Science Department – **Academic Achievement Award**

Missouri S&T Electrical and Computer Engineering Department – **Undergraduate Research Assistant**

Tau Beta Pi Engineering Honors Society – **Member**

Yoga Alliance – **Registered Yoga Teacher** (RYT 200)