William Lorey

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Education

Missouri University of Science and Technology (Missouri S&T)	May 2019
B.S. Computer Engineering	**GPA 4.0/4.0**
Minor: Computer Science	

Experience

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 GitHub Workflows in the Azure Static Web Apps Extension for VS Code
- 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

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)