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 II *Aug 2021 – Present*

- Owned the open source Azure Storage and Azure Account Extensions for VS Code (>0.6M and >3.1M installs respectively), leading work in TypeScript and Node, coordinating testing, managing releases, and providing customer support
- Inherited the unmaintained Azure Account Extension, rearchitected the codebase, enhanced its telemetry, added linting, automated builds, and an A/B testing framework to revitalize the project
- Collaborated with partner teams to add support for the new Microsoft Authentication Library in the Azure Account Extension, allowing users to access the company's latest auth solution while continuing to support the legacy library
- Implemented versioning in the Azure Account Extension's API to insulate consumers from breaking changes while maintaining a fallback API for slow adopters. This API is employed by 30+ VS Code extensions
- Mentored 10 college students in resume review, interview prep, and advice on navigating college in regular 1:1 meetings

Software Engineer *Aug 2019 – Aug 2021*

- Rearchitected the Azure Storage Extension's backend to use a platform-specific CLI resulting in >2x faster resource transfers, the removal of size limits, and the ability to perform simultaneous transfers
- Added support for the Azurite Emulator in the Azure Storage Extension, providing a graphical view of local resources and allowing users to test their cloud storage locally, directly within VS Code
- Designed and implemented an improved user experience for configuring Azure Static Web Apps Extension settings, adding UI elements that link directly to the relevant positions in YAML configuration files

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

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*
- Allocated and managed a six-figure budget towards designing, building, testing, and racing the vehicle

Electrical/Software Team Member *Aug 2015 – Aug 2018*

- Raced in and managed team/race logistics for the 2016 American Solar Challenge and 2017 Formula Sun Grand Prix
  In 2016, our 18-person race crew achieved 4th place in North America
- Designed, implemented, and tested a driver interface circuit board and related software in C to operate the Solar Car
- Developed battery characterization software in Python used in constructing a well-balanced battery pack for the car

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 to help promote innovation in 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**
Missouri S&T – **Dean's List** (Fall 2015 – Spring 2019)
Missouri S&T Computer Science Department – **Academic Achievement Award**
Tau Beta Pi Engineering Honors Society – **Member**
Yoga Alliance – **Registered Yoga Teacher** (RYT 200)