

William W. Lorey

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Education

Truman State University	Aug 2025
M.A. Mental Health Counseling	GPA 4.0
Missouri University of Science and Technology (Missouri S&T)	May 2019
B.S. Computer Engineering	GPA 4.0
Minor: Computer Science	

Experience

Truman State University	Kirksville, MO
Graduate Research Assistant	<i>Feb 2024 – Present</i>
<ul style="list-style-type: none">Served as editor in adapting for print a conference presentation on leveraging salutary forms of traditional masculinity as protective factors against suicidality in men. The project involves verifying the accurate application and interpretation of the research, clearly communicating findings, and adhering to publishing standards.Presented a research proposal on studying the utilization of large language models (e.g. artificial intelligence-based technologies such as ChatGPT) in the counseling profession, achieving buy-in from a 9-person graduate research team and establishing the domain of the team's investigation.	
Independent Volunteer Work	Various Locations
College and Early-Career Mentor	<i>Feb 2021 – Present</i>
<ul style="list-style-type: none">Mentored dozens of university students and early-career professionals in resume review, technical and behavioral interview prep, navigating college, and personal matters in regular 1:1 meetings. Mentees are located throughout the U.S. and Canada and have gone on to work at corporations including Amazon, Garmin, Citi, startups, and in one case, to found their own startup.Hosted an in-person meetup for mentees at my alma mater, fostering community among electrical & computer engineering and computer science students at Missouri S&T.	
Stellar Health	New York, NY
Software Engineer II	<i>Jun 2022 – Jul 2023</i>
<ul style="list-style-type: none">Designed and implemented user-facing features for a value-based healthcare web application, allowing tens of thousands of clinical staff members to effectively track and manage patient follow-ups and outreach, thereby contributing to maximized patient well-being and long-term medical cost savings.	
Microsoft	Redmond, WA
Software Engineer II	<i>Aug 2021 – May 2022</i>
<ul style="list-style-type: none">Owned two open source cloud applications—the Azure Storage and Azure Account Extensions for VS Code (>0.6M and >3.1M installs respectively), leading development work in TypeScript and Node, coordinating testing, managing releases, and providing support directly to customers.Revivified the unmaintained Azure Account Extension, rearchitecting the codebase, enhancing telemetry, adding linting, automated builds, an A/B testing framework, and implementing a backwards-compatible API for use by 30+ VS Code extensions.	
Software Engineer	<i>Aug 2019 – Aug 2021</i>
<ul style="list-style-type: none">Rearchitected the Azure Storage Extension resulting in >2x faster data transfers, the removal of resource transfer 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.	
Garmin International	Rolla, MO
Software Engineering Intern	<i>May 2018 – Aug 2018</i>
<ul style="list-style-type: none">Developed verification software in C to ensure robustness, government compliance, and code coverage for Garmin avionics displays.	

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*: a fully electric, solar-powered, single-passenger vehicle capable of traveling at highway speeds.
- 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.

LMI Aerospace

Cuba, MO

.NET Developer Intern

May 2017 – Aug 2017

- Expanded and maintained an IT 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 to help promote innovation in a division of 300+ Boeing employees. *Project was winner of the 2016 Boeing IT Common Services 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**

Roy Blunt Behavioral Health Scholarship – **Recipient** (Spring 2024)

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

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