William Lorey

Current Address	linkedin.com/in/williamlorey	Permanent Address
2221 Tenbrink Dr.	williamlorey.com	4643 Bridlewood Terr.
Rolla, MO 65041		St. Louis, MO 63128
wwlytc@mst.edu		cell: (573) 535 – 4932

Objective	To obtain a summer internship position in the field of Computer Engineering or Computer Science

Education

Missouri University of Science and Technology (Missouri S&T)	May 2020
B.S. Computer Engineering	**GPA: 4.0/4.0**
B.S. Computer Science	

Experience

The Boeing Company — St. Louis, MO
Information Technology Intern — May 2016 – July 2016

- Engineered and implemented a social network for leveraging innovation from a team of 300+ Boeing IT employees. *Project was winner of the 2016 Boeing ITCS Intern Challenge*
- Appraised the customer ticket resolution process and architected its optimization, fostering a smoother and more automated process to resolve customer's problems
- Modernized IBM Rational ClearCase and ClearQuest enterprise solution architecture diagrams for elevated ease of access and use
- Packaged software employing Software Express for enterprise wide distribution, allowing Boeing engineers to access software development tools
- Collaborated on the attributes and automation of biannual mass distributed compliance form, ensuring team compliance with federal regulations

Missouri S&T Solar Car Design Team — Rolla, MO
Logistics Manager — July 2016 – Present

- Architected Missouri S&T team/race logistics for the 2017 World Solar Challenge in Australia
- Raced in and managed team/race logistics of the 2016 Formula Sun Grand Prix and American Solar Challenge. Our 18-person team achieved 4th place in North America

5S Coordinator (lean manufacturing methodology) — Feb 2016 – Aug 2016

- Lead the initiative to implement 5S system to bring safety and efficiency to the team workspace. Required the cleanup and organizing of the Missouri S&T Student Design Center Electrical Lab
- Educated Solar Car team members on 5S process and the plan for its implementation

Electrical/Software Team Member — Aug 2015 – Present

- Wired and installed the 2016 Solar Car's electrical system including the solar array, maximum power point trackers, and peripherals
- Developed and debugged embedded software to control lights and other peripherals on the car
- Constructed molds and thereafter composite layups to manufacture the car's body
- Aided in hardware revisions on various boards both in design and implementation, assessing and correcting flaws in PCBs
- Assembled the Solar Car's battery management systems as well as various other boards

Computer Skills

TFS	SharePoint	HTML	CSS	C/C++	Python	NetworkX	Git
Visual Studio	Code Composer Studio						

Honors & Activities

- Boy Scouts of America – **Eagle Scout**
- Missouri S&T Dean's List
- Missouri S&T Electrical and Computer Engineering Department – **Undergraduate Research Assistant**
- Collegiate Eagle Scout Association – **Vice President, Treasurer**
- Missouri S&T Student Design Center Leadership Team – Member
- Missouri S&T Student Union Board – Committee Member
- National Honors Society – Member