

Trey Sullivent

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Education

B.S. Computer Science GPA: 3.72/4.0

Minor: Mathematics

University of Oklahoma
Norman, OK / 2020

Awards and Acknowledgements

Dean's Honor Roll (7 semesters) (2017-2020)

National Merit Scholar (2016)

Programming

Languages, Libraries, and Software

- Java, Python, SQL, C, C++, C#, R, HTML/CSS, JavaScript, Node.js, jQuery, UIPath, VBA
- AWS, GCP, Linux (Arch, Debian), Apache, Microsoft Azure, OpenGL, ROS, Scikit-Learn, Bootstrap

Course Experience

- Front-End – Experienced with HTML/CSS/JS stacks, as well as OpenGL and Java visual libraries.
 - Server/Databases – MySQL databases. Linux system, cloud computing services, and scripting.
 - Math/Low-Level – Knowledge of R, C and memory management, circuitry, and minor assembly.
 - Robotics – Developed mapping and localization code running on both simulated and real hardware.
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Relevant Project Experience

Software Engineering Capstone with Power Costs Inc.

August 2019 – May 2020

- Developed a webapp to hold and display install log data in a dynamic and pleasing way.
- Hosted on an AWS server using JavaScript, Node.js, jQuery, Bootstrap, MySQL, Apache 2, and Java.
- Presented regular demos and status updates, and created installation tools to ensure software longevity.

Sooner Competitive Robotics Team – IGVC (Software Team)

August 2018 – March 2020

- Design and implement a robotic architecture to perform navigation and path planning with my team.
 - Develop localization abilities using a custom sensor suite, using D* and image processing to plan paths.
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Work Experience

American Fidelity Assurance – Robotic Process Automation Intern

May 2019 – August 2019

- Created “Robots” to assist a company-wide RPA (Robotic Process Automation) initiative using UIPath.
- Automated business tasks from data entry to sorting digital letters, measurably increasing productivity.
- Produced and presented full documentation for the production and future upkeep of my team's projects.

Zarrow Pointe Retirement Community – Food Server

Feb. 2016 – Feb. 2017

- Prepared and served food to residents, accommodating those with physical and intellectual disabilities.
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Leadership

University of Oklahoma Hillel

Board of Directors

July 2018 – May 2020

- Represent the undergraduate community and make high level decisions about finances and mission.

Student Board

Nov. 2017 – August 2019

Alpha Epsilon Pi Fraternity - President

May 2018 – November 2019

- Learned and applied valuable leadership lessons, successfully handling complex issues and conflicts.
- Planned and provided oversight for all chapter functions, including record philanthropy earnings.
- Guaranteed structure and organization in all aspects of the fraternity, improving performance.