

JOSEPH LAWLER

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EDUCATION

The University of Texas at Austin	Bachelor of Electrical and Computer Engineering, Software Engineering and Design Minor: Business Overall GPA: 3.4/4.0	May 2023
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EXPERIENCE

JPMorgan Chase – <i>Software Engineer Program Intern</i> ; Plano, TX	June 2022 – August 2022
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- Assessed JPMS intake dashboard performance issues for Asset and Wealth Management line of business
- Improved dashboard loading time by 95% down to 0.5 seconds
- Innovation Week Hackathon Finalist – developed a VR centric banking app and trading platform with the Chase Banking VR team

Ligero Technical Services – <i>Junior Software Engineer</i> ; Austin, TX	January 2021 – August 2021
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- Maintained and debugged AutolazeQL software package
- Designed and implemented 5 new features including, linearization of paths, DXF, TXT, and CSV file import, and geometry rotation, scaling, and moving
- Processed and developed customer features and fix bugs

University of Texas at Austin – <i>Programming Intern</i> ; Austin, TX	May 2017 – September 2017
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- Created an app to construct 3D flight paths to be flown autonomously by a quadcopter
- Aided in development of path planning for automatic 3D scanning by quadcopter

CERTIFICATIONS

AWS Certified Cloud Practitioner - J5ZBCHD1Y24QQ4CF	August 2022 – August 2025
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PATENTS

• US Patent: 10,759,650 Automated engine oil change design	September 2021
• US Patent: 10,989,080 Automated engine oil change system and method	April 2021
• Currently developing a prototype based on the filed design patent	

ACADEMIC PROJECTS

Embedded Systems Design Competition – <i>1st Place</i>	May 2022
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- Created a Nintendo DS from the ground up by designing the pcb, soldering components, constructing enclosure, and programming the microcontroller

LEADERSHIP EXPERIENCE AND ACTIVITIES

Texas Iron Spikes – <i>Recruitment Chair/Selection Committee</i>	Spring 2021 – Present
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- Official spirit organization of the University of Texas Baseball team
- Spearheading recruitment for the Fall 2022 semester

Lightsaders Competitive Robotics Team – <i>Founder/Mentor</i>	Fall 2017 – Present
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- Founded FTC competitive robotics team at Saint Michael's Catholic Academy
- Mentoring 25 current students in programming, CAD, and mechanics

SKILLS AND INTERESTS

Programming Languages: C, C++, JAVA, Javascript, Python

Software: Autodesk Fusion 360, Autodesk Eagle, Git, Linux

Interests: Computer/Server Building, 3D Printing, Robotics, Beekeeping