

LEO MAREK

Student, Developer, and Engineer

@ Inm7@rice.edu 📞 925-788-6276 📍 Houston, TX
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SKILLS

- Software Development
- Data Engineering Robotics
- Machine Learning Electronics
- Object-Oriented Programming

COURSEWORK

- Data Structures Algorithms
- Computational Thinking
- Discrete Math Linear Algebra
- Multivariable Calculus
- Computer Engineering

TECHNOLOGIES

- Java Python Robotics
- C Autodesk EAGLE
- R Microcontrollers
- Git CAN bus Excel
- Matlab HTML CSS

LANGUAGES

English: Native

Spanish: Proficient

ABOUT ME

I am passionate about software engineering, optimization, embedded systems, and the intersection between hardware and software design.

EXPERIENCE

Rice Electric Vehicle | 🌐

📅 SEP 2022 – Present

As electrical co-lead, I help oversee the 20-person electrical team to design, build, and debug all of the custom electronics for our entry to the shell eco-marathon

FIRST Robotics Mentor | Jack Yates High School

📅 SEP 2022 – Present

Mentor FRC team 7115 Red Lion Bots from Jack Yates, an under-resourced majority Black high school, helped team to first event win in program history

Athenian Robotics Collective | 🌐

📅 SEP 2019 – APR 2022

As co-captain and operations lead, I logged over 1200 hours leading a 40+ person FIRST Robotics Competition Team through design, manufacturing, and testing

Sailing Instructor | Encinal Yacht Club

📅 MAY 2021 – AUG 2022 📍 Alameda, CA

Instructed new sailors aged 8-68, created lesson plans, and led students in exercises on the water

Intern | Alloy Technologies

📅 MAR 2020 – APR 2020 📍 San Francisco, CA

Produced marketing content and helped coordinate events to demonstrate to clients the benefits of smart supply chain analytics

EDUCATION

Computer Engineering, Computer Science | Rice University

📅 2022 – 2026 📍 Houston, TX

GPA: 3.83, Engineering Design Minor, FIRST at Rice Co-Lead, Rice CS Club, Rice IEEE, Rice Data Science, Rice Club Sailing, Duncan College

High School | The Athenian School

📅 2018 – 2022 📍 Danville, CA

Investment Club, Varsity Sailing (captain), Entrepreneurship, Math Club