TEODORO D LEITE

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EDUCATION

Boston University, College of Engineering   Boston, Mass
Bachelor of Science in Mechanical engineering   Sep 2024 - May 2028

SKILLS

Software: MATLAB, Python, Microsoft Office, Excel, C++, HTML, SolidWorks / CAD
Engineering: Circuit design, Soldering, Embedded systems, Aerodynamics, Mechanical design, Arduino
Language: Portuguese
Professional: Teamwork, Leadership, Communication, Time management

PROJECTS

Project Lead, Jun 2025 - Aug 2025
Custom Temperature-Controlled Fan System, Fall River, MA
- Built a temperature-activated fan control system for a 1984 Pontiac Firebird using LM393 comparator, relay module, and LM35 sensor
- Prototyped and integrated a circuit with a 12 V car system using pull-up resistors and fuse protection for reliability
- Designed wiring diagrams and implemented control logic

Lead Designer, Jan 2024 - Jun 2024
Micro-Drone Template Project, Fall River, MA
- Created five micro-drone designs optimized for speed and payload to help new members rapidly build and compete
- Researched aerodynamics and materials, fabricated propellers, soldered components, and developed control code

RELEVANT COURSES

Multivariate Calculus, Introduction to Philosophy, Engineering Mechanics 1, General Physics 2

AFFILIATIONS

Underwater Robotics Club, Vice President   Sep 2023 - Jun 2024
- Designed a robot to complete an underwater obstacle course
- Programmed and tested remote-controlled systems to achieve mission goals

Website Development Project – B.M.C. Durfee High School, Vice   Sep 2023 - Jun 2024
President
- Modernized school website with improved navigation, responsive design, and updated content

EXPERIENCE

Seabra Foods   Fall River, MA.
Manager/ Head Cashier   Jun 2022 - Present
- Supervise daily store operations and train employees to ensure efficient workflow
- Communicate directly with customers and lead staff meetings to improve operations

Boston University: BUILD   Boston, MA
Elementary School Tutor   Sep 2024 - May 2025
- Tutored students in math, reading, and writing, adapting lessons to individual needs