

Richard Le

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EDUCATION

University of Massachusetts-Amherst

May 2027

Bachelor of Science in Electrical and Computer Engineering, 3.9 GPA

Honors/Awards: Dean's List (Fall 2023, Spring 2024, Fall 2024)

RELEVANT COURSEWORK: Advanced Programming, Circuits & Electronics I, Intro. Embedded Systems, Continuous Time Signals & Systems, Intro. Mathematical Computation

EXPERIENCE

Robotics Club Member University of Massachusetts-Amherst

Sep 2023 – Present

- Programmed on the ESP32-WROOM development board using the Arduino IDE
- Collaborated with a team of 5 people to model and create a robotic arm and as part of an ongoing club project.
- Involved in designing mechanical parts, programming control systems, and integrating sensors and motors to enhance precision and functionality.
- Debugged hardware and software systems, improving the performance of the arm through iterative testing.

ACTIVITIES

Section Leader, Randolph High School Band – Randolph, MA

Sep 2019 – June 2023

- Led and mentored a section of 8+ students, ensuring musical growth and coordination during rehearsals and performances.
- Developed strong interpersonal skills by mediating conflict and motivating peers to achieve collective success.

TECHNICAL SKILLS

Programming Languages: MATLAB, Python, C

Software: Microsoft Excel, LTSpice, KiCad

Lab Equipment: Oscilloscope, Multimeter, Bench Power Supply, Function Generator

Skills: Circuit Design, Embedded Systems, Robotics, Data Analysis

Version Control: Git