

JOSEPH LETTENEY

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EDUCATION

Boston University, College of Engineering

Boston, MA

Master of Science, Mechanical Engineering

Expected Graduation: May 2026

- Cumulative GPA: 3.91/4.0
- Relevant courses: Manufacturing Design and Production, Fluid Mechanics, Thermodynamics, Advanced Product Design

Thomas Aquinas College

Santa Paula, CA

Bachelor of Arts, Liberal Arts

May 2024

- Cumulative GPA: 3.97/4.0
- Completed a curriculum of original texts foundational to Western philosophy, mathematics, and science
- Engaged in over 2,160 hours of discussion-based classes, analyzing and synthesizing critical connections in Western thought

SKILLS

Technical: Solidworks, GD&T, OnShape, Python, MATLAB, AutoCAD, Simulation

Personal: Critical Thinking, Communication, Project Management

Machining: Water Jetting, Laser Cutting, CNC/Manual Lathe, CNC/Manual Mill, 3D Printing, Welding

Certifications: White belt in Six Sigma

Experience

Robotics Teacher

Jun 2025 - Aug 2025

Ojai Valley School

Ojai, CA

- Designed and led a 6 week robotics camp for 3-5 graders focusing on exploring robotics and coding concepts

Laborer and Operator

Jul 2022 - Aug 2024

Richard Reed Backhoe Service

Ventura, CA

- Operated and assisted with heavy equipment, including skid steers, backhoes, and a 50-ton excavator
- Installed 1,000+ ft of fire line at Channel Islands Harbor and aided underground work for a 50 MW natural gas plant, ensuring safety compliance and timely completion

Maintenance Worker and Supervisor

May 2020 - May 2024

Thomas Aquinas College

Santa Paula, CA

- Supervised a four-person crew maintaining facilities across 28 buildings
- Installed 50+ lighting fixtures, fabricated steel components, operated skiploaders and backhoes, and maintained 2+ miles of campus water lines
- Managed emergencies for the campus water system, including shutting off mainlines during leaks and monitoring levels of a 100,000-gallon tank and multiple 5,000-gallon tanks

Clubs

Terrier Motorsport, Member

Jan 2025-Present

- Collaborated with a 20+ member student team to design, fabricate, and test a Formula SAE race car