

JOSEPH LETTENNEY

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LinkedIn | Portfolio

EDUCATION

Boston University, College of Engineering - Boston, MA

Master of Science, Mechanical Engineering

Expected May 2026 | GPA: 3.97/4.00

Relevant Coursework: Electrical Circuits, Fluid Mechanics, Thermodynamics, Mechanics of Materials

Thomas Aquinas College - Santa Paula, CA

Bachelor of Arts, Liberal Arts

Aug 2020 - May 2024 | GPA: 3.97/4.00

- Studied original texts foundational to Western philosophy, science, and mathematics
- Over 2,100 hours of Socratic seminars emphasizing analytical reasoning

CERTIFICATIONS

Six Sigma White Belt - Management and Strategy Institute, 2024

SKILLS

Engineering Tools: SOLIDWORKS, Onshape, AutoCAD, MATLAB, Python, HTML

Fabrication & Machining: 3D Printing, Laser Cutting, Water Jetting, CNC Milling & Turning

Professional: Technical Communication, Leadership, Team Collaboration, Root Cause Analysis

EXPERIENCE

Robotics Camp Instructor - Boston, MA

Summer Teaching Fellow, BU LEAP Program

Jun 2025 - Jul 2025

- Led a three-week robotics camp for 3rd-5th graders focused on engineering and coding
- Taught using LEGO SPIKE and Dash robots; created hands-on STEM activities

Richard Reed Backhoe Service - Ventura, CA

Heavy Equipment Operator & Laborer

Jul 2022 - Aug 2024

- Operated skid steers, backhoes, and 50-ton excavators on major infrastructure projects
- Installed fire lines, performed underground utility work, and ensured site safety

Thomas Aquinas College - Santa Paula, CA

Facilities Supervisor & Maintenance Worker

May 2020 - May 2024

- Supervised maintenance team for 28 campus buildings
- Handled electrical, fabrication, and plumbing systems, including emergency response

PROJECTS & CLUBS

- Terrier Motorsport - Member of Boston University Formula SAE team. Contributed to mechanical design and CAD modeling in SOLIDWORKS