

BOONE TRAN

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EDUCATION

Oregon State University - Bachelor of Science | Corvallis OR

Graduating June 2025

Double Major in Mechanical & Manufacturing Engineering | Minor in Mathematics

- **Club:** Sales Club, Sport Product Development, OSU 3D Printing, Chess Club
- **On-Campus Jobs:** McNary Dining Staff - 2021, Opens Lab Engineer - 2021, Summer Camp Staff - 2022
- **Extracurricular:** Web Development – HTML & CSS, Python, Arduino, Electrical Device Repair

SKILLS

- **Technical:** 3D Modeling, Data Analysis, ANOVA & T-test, Lean Manufacturing Principle
- **Software:** SolidWorks, Fusion 360, Microsoft Office, Visual Studio Code, Arduino IDE
- **Language:** Fluent in English and Vietnamese

PROFESSIONAL EXPERIENCE

Oregon Tool - Manufacturing Engineer Intern | Portland OR

Jun 2023 - Dec 2023

- Led and redesigned 29 components, reducing annual scrap costs by \$2,500 and streamlined production while ensuring 100% accuracy in CAD through meticulous measurements and collaborative validation with customers.
- Eliminated 85% of scrap generation, saving \$1,900 annually, by designing and implementing a versatile leveling system for conveyor systems adaptable to various press configurations.
- Collaborated with cross-functional teams to analyze 30 million data sets, resolving faults and improving assembly line uptime by 15% through advanced Excel functions and data-driven decision-making.
- Saved \$3,000 in labor costs and prevented loss of 90,000 cutters annually by conducting root cause analysis, identifying control system failures through Cause map, and implementing preventive measures using A3 report.
- Decreased machine downtime by 40% and improved team productivity by streamlining changeover process using Lean Manufacturing principles and optimizing component adjustments to minimize part retrieval time.

Opens Lab - Mechanical & Manufacturing Engineer | Corvallis OR

Jan 2021 - June 2023

- Simplified manufacturing time by 95%, engineering a more efficient and cost-effective fluid flow monitoring device in collaboration with 7 students.
- Led soldering efforts as one of the top performers in lab, assembling 10+ electrical boards with high-precision components measuring as small as 0.4 mm, ensuring flawless performance and zero water leakage during testing, all while promoting team development and quality assurance.

Thai Duong Rubber Plastic – Maintenance | Vietnam

Jan 2019 - Nov 2019

- Maintained 20 heating machines and operated sawing machines and drillers, ensuring smooth operations and diminishing downtime by 15% through regular cleaning and preventive maintenance.
- Resolved mechanical failures by identifying root causes and safely managed 20-80 lbs of products, enhancing operational efficiency and reliability in material handling.

HONOR & AWARD

- **Continuation Scholarship & OSU Regional Award** | OSU, 2020 - 2024
- **Top 20 Water Rocket Competition in Ho Chi Minh city** | Vietnam, 2018
- **Silver Medal in Physics Olympic Competition 30/4** | Vietnam, 2017