

BOONE TRAN

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PROFESSIONAL EXPERIENCE

Oregon Tool - Manufacturing Engineer Intern; Portland OR

Jun 2023 - Dec 2023

- Reduced annual scrap costs by \$2,500 and streamlined production by redesigning 29 components, ensuring 100% accuracy in CAD through meticulous measurements and validation
- 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
- Enhanced production efficiency by analyzing 30M data sets and resolving faults, improving assembly line uptime by 15% through advanced Excel functions and Pivot table
- Saved \$3,000 in labor costs and prevented the loss of 90,000 cutters annually by conducting root cause analysis, identifying control system failures, and implementing preventive measures
- Reduced machine downtime by 40% and improved team productivity by streamlining the changeover process and adjusting components 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 the 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 maintaining production efficiency

Thai Duong Rubber Plastic - Maintenance; Vietnam

Jan 2019 - Nov 2019

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

EDUCATION

Oregon State University - Bachelor of Science; Corvallis OR

Graduation Expected June 2025

B.S. in Mechanical and Manufacturing Engineering | Minor in Mathematics

Clubs: Sport Product Development, 3D Printing, Robotic & Human Control

HONOR & AWARD

Continuation Scholarship & OSU Regional Award - OSU | 2020 - 2024

IELTS 7.0 | 2019

Top 20 Water Rocket Competition in Ho Chi Minh city - Vietnam | 2018

Silver Medal in Olympic Physics 30/4 - Vietnam | 2017

SKILL & INTEREST

Technical: Solid Work, Excel, Web Development, Lean Manufacturing

Soft: Active listening, Ability to work under-pressure, Work well with others, Accountability

Hobby: Robots, Networking, AI, Chess, Badminton