

Raghav Bhatt

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Education

University of Washington Seattle
MS in Mechanical Engineering

GPA - 3.90

Operations Focus

Oregon State University
BS in Mechanical Engineering & Manufacturing Engineering

GPA - 3.94

Skills

Excel, SQL, Tableau, PowerBI, PowerApps, Agentic AI Builders, Visio, Snowflake, Minitab, JMP-SAS, Cost/Benefit Analysis, Statistical Process Control, Grafana, Quality Control, Python, Lean 6 Sigma, MRP/ERP systems, Supply Chain Management

Relevant Experience

Daimler Truck North America - Costs Engineering Intern

May 2025 - Present

- Built project flow charts and process visuals to pitch proof of concepts and ensure cross-functional visibility on all projects
- Worked with Supplier Development Cost Liaison to assess supplier performance, stakeholder demands, & possible resolutions
- Deployed advanced apps & dashboards, assessed feasibility of product design, & presented weekly on status & targets
- Built dashboards & AI tools to streamline engineering workflows, reduce operational burdens, and improve capacity planning

Boeing Advanced Research Center (BARC) - Laser Systems Testing & Validation

September 2024 - May 2025

- Conducted research in the lab of Dr. Junlan Wang, Professor of Mechanical Engineering at the University of Washington
- Developed testing procedures for thin film deposition & surface treatment solutions for Aerospace products at Boeing
- Characterized hardware performance, material damage mechanisms, & failure modes during the laser ablation process

Tesla Inc. - Cell Manufacturing Data Analytics Intern

May 2024 - August 2024

- Built 5 BI dashboards & executed 4 data deep dives to investigate production quality losses, line throughput, & CPK changes
- Applied PLC metrics & data aggregations to execute the 8 Statistical Process Control (SPC) rules & create a live dashboard
- Executed data analysis of critical to quality parameters & established process control limits while leading preventive action
- Assessed non-conformances & defined actionable insights through KPIs, root cause investigations, & bottleneck analysis

Tesla Inc. - Battery Cell Manufacturing Process Engineering Intern

April 2023 - September 2023

- Developed and lead training efforts to assess test execution capabilities within production & outside engineering teams
- Troubleshooted hardware issues in real-time, and delegated feedback to the correct production teams & eliminate repeat issues
- Built a python tool to track 400+ equipment parameters to ensure proper tracking of manufacturing & automation procedures

Hewlett-Packard Inc. - Systems and Reliability Engineer

June 2018 - September 2022

- Worked closely with design, build, and systems engineers to deliver on goals set by the production leadership teams
- Planned and executed a 200 person human meteorology test to analyze user data and combine results with a machine algorithm
- Developed & refined manufacturing processes to meet all design & business requirements such as safety, quality, & efficiency

Global Formula Racing Team - Composite Simulation and Manufacturing

September 2023 - March 2024

- Team lead responsible for advanced composite modeling, comprehensive defect analysis, and precision chassis manufacturing
- Collaborated closely with Aerodynamics, Suspension, and Powertrain for material selection and component installation

Duke University Research - Material Data Informatics and Visualization

May 2021 - July 2021

- Conducted research in the lab of Dr. Stefano Curtarolo, Professor of Mechanical Engineering and Material Science
- Through machine learning techniques and the use of mathematical functions, material features were accumulated and modeled