

Noah Bean

<https://github.com/noahbean33>
<https://www.linkedin.com/in/noah-bean-343612160/>

971-419-0100
noahbean3396@gmail.com

Education

Oregon State University, Corvallis, OR

Sep 2022 – Dec 2025 (Expected)

Bachelor of Science in Electrical and Computer Engineering, Minor in Computer Science

GPA: 3.80

- Activities: Tau Beta Pi, Association for Computing Machinery, IEEE

Oregon State University, Corvallis, OR

Sep 2020 – Jun 2022

Bachelor of Science in Mathematics, Minor in Statistics

- Activities: Math Club, Society for Industrial and Applied Mathematics

Technical Skills

Programming Languages: Python, C, C++, R, MATLAB

Machine Learning: TensorFlow, PyTorch, AI, NLP, Deep Learning, Data Science, Data Mining

Hardware Design: FPGA, PCB Design, Circuit Design, Digital Logic, Embedded Systems, SystemVerilog

Core Engineering: Computer Networking, Computer Architecture, Assembly Language, Computer Hardware, Power Electronics, Circuit Analysis, CAD, Linux

Mathematics/Analysis: Linear Algebra, Statistics, Probability, Data Analysis

Experience

Hardware Failure Analysis Engineering Intern

Apr 2024 – Present

Intel Corporation, Hillsboro, OR

- Developed a convolutional neural network (CNN) for solder joint classification to improve hardware inspection processes.
- Created a diagnostic failure analysis large language model (LLM) to enhance predictive maintenance capabilities.
- Conducted failure analysis on multiple computer hardware boards, identifying and resolving issues to improve system reliability.
- Developed and executed workload tests to evaluate computer hardware performance and ensure compliance with industry standards.
- Collaborated with cross-functional teams to implement solutions and validate hardware platforms.

Manufacturing Technician

June 2022 – Sep 2022

Retronix Semiconductor, Hillsboro, OR

- Assisted engineers with scheduled maintenance activities.
- Conducted processes following safety policies and procedures.

Math Club Vice President

Sep 2020 – Jun 2022

Oregon State University, Corvallis, OR

- Provided leadership and represented the club at official functions.
- Managed project teams and fundraising initiatives, raising \$5,000+ for the club.

Learning Assistant

Sep 2020 – Jun 2021

Oregon State University, Corvallis, OR

- Tutored for MTH 251-Derivative Calculus and MTH 252-Integral Calculus.
- Assisted over 150 students with calculus concepts and provided constructive feedback.