

Bryant Hayden

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EDUCATION

Eastern Oregon University | Bachelor of Science (BS) | La Grande, OR | Oct 2022 – June 2024

Concentration: Computer Science | Major GPA: 3.5/4.0

Pacific University | Undergraduate Coursework | Forest Grove, OR | Sept 2020 – May 2022

Concentration: Computer Science, Music Education

Newberg Senior High School | High School Diploma | Newberg, OR | June 2020

PROFESSIONAL EXPERIENCE

A-DEC (Express Employment Professionals) – Powder Coat Technician; Newberg, OR *March 2023 – June 2023*

- Specialized in high-quality powder coating processes for dental equipment, applying coatings to metal surfaces with precision and efficiency.
- Maintained strict adherence to safety and quality standards, contributing to the company's reputation for high-quality dental products.

Hardwood Industries – Machine Operator; Sherwood, OR *October 2022 – February 2023*

- Managed the setup, operation, and maintenance of industrial edgebanding machinery, processing an average of 500 wood-based panels per day.
- Achieved a precision rate of over 95% in applying edgebanding strips, ensuring high-quality finishes and strict adherence to industry standards.
- Reduced machine downtime through effective troubleshooting and routine maintenance, enhancing overall productivity.

Ichor Systems(Acara Solutions) – Manufacturer; Newberg, OR *May 2021 – June 2022*

- Efficiently assembled and tested semiconductor components at Ichor Systems.
- Led troubleshooting efforts, reducing production delays and maintaining detailed compliance documentation for industry and safety standards.
- Collaborated in a cross-functional team to implement process improvements, enhancing production efficiency and contributing to a zero-incident safety record.

Fred Meyer – E-Commerce Clerk; Newberg, OR *Mar 2020 – Feb 2022*

- Provided online grocery ordering and pickup services, ensuring accuracy and timeliness.
- Delivered orders to customers' cars, ensuring a smooth and convenient pickup experience.
- Implemented procedures to make pick-up more safe and effective during covid-19.

Additional Experience

Pacific University - Makerspace: *Oct 2022 – Feb 2023*

- Designed and modeled prototypes using CAD software for various projects
- Operated 3D printers to produce high-quality prototypes and parts
- Assisted in the design and development of innovative maker space projects

Pacific University - Help Desk: *Nov 2020 – Feb 2021*

- Answered customer calls and provided prompt, courteous technical support
- Researched and resolved technical problems in real-time, ensuring minimal disruption to users

Projects

Cube Solving Bot: My senior capstone was to build a Rubik's Cube-solving robot, a project that encompasses design, manufacturing, and coding. The endeavor demonstrates my skills in interdisciplinary integration and innovative problem-solving. Python was the language of choice for this project.

Odin Project: Currently advancing through The Odin Project, I am developing crucial skills in web development and Linux. These skills include HTML, CSS, Javascript and git.

Rubik's Cube Club: As part of my senior project, I organized a Rubik's Cube club focused on teaching elementary students how to solve the puzzle. Utilizing a structured curriculum, I guided students through step-by-step instructions, fostering problem-solving skills and spatial reasoning abilities.

Stirling Engine: My experience in manufacturing a Stirling engine from raw material provided me with hands-on expertise in various manufacturing processes and tools. These included blueprint reading and drawing, machining with mills and lathes, precision measuring tools(calipers and micrometers), and various finishing processes.

DNA Analyzer: In my DNA Analyzer project, I delved into the composition and structure of DNA, designing header, implementation, and driver files. This project deepened my understanding of object-oriented programming and class creation. I utilized C++ for this project.

Wordle: In the collaborative development of a Wordle-like game, our team utilized Python, HTML, CSS, JavaScript, SQL, and YAML. My contributions covered both front-end and back-end aspects. We managed our project using a scrum board, coordinated version control via GitHub, and maintained effective communication through Discord, demonstrating my adeptness in agile project management, team collaboration, and utilizing diverse technologies for software development.

Certifications

Responsive web design - Free Code Camp

Apr 2023

SKILLS & INTERESTS

Technical: C/C++, Java, HTML/CSS, JavaScript, Git, SQL, Linux/Unix, Windows 10, Kotlin Development

Languages: Native English speaker; Intermediate Spanish Comprehension

Interests: 3d Printing, Orchestra, Lacrosse, Robotics