

# Iza Cowie

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## SUMMARY

Seeking to enrich my workplace and grow within a professional environment. Analytical individual with a passion for solving complex problems with straightforward solutions.

## EMPLOYMENT

### **Barco Healthcare**

*Full Stack Software Engineer – Portland, Oregon*                      *April 2023 – September 2025*

- Modernized the user interface of our software product.
- Developed object-oriented structures to simplify data complexity.
- Implemented inter-process communication between C++ processes.
- Created internal tools for interfacing with hardware devices.
- Gained knowledge on remote deployment and remote development tools.
- Debugged and improved pre-existing code base.
- Troubleshoot memory leaks to improve software.
- Interfaced with Microsoft, Nvidia, AMD, and internal APIs.
- Utilized C++, Qt, QML, Python, Visual Studio, Visual Studio Code, Jira, GitHub, and Sourcetree.

### **Umpqua Health**

*Software Developer – Roseburg, Oregon*                                      *February 2021 – March 2023*

- Translated business requirements into software solutions.
- Worked alongside an analyst to verify data integrity.
- Designed algorithms for processing patient medical information.
- Tasked with maintaining pre-existing algorithms to adhere with yearly compliance changes.
- Maintained patient privacy in accordance with HIPAA
- Utilized C#, Visual Studio, SQL, SSMS, Jira, GitHub, and Remote Desktop Connection.

## **Roseburg Forest Products**

*OTI Database and Reports Intern – Roseburg, Oregon*

*Summer 2019*

- Designed, developed, and deployed fully normalized databases.
- Optimized pre-existing databases and queries.
- Made reports with database information.
- Processed live data from programmable logic controllers and created intuitive human-machine interfaces.
- Utilized SQL, SSMS, Python, and Ignition 7.9 / Ignition 8 by Inductive Automation.

## **EDUCATION**

### **Oregon Institute of Technology**

*Bachelor of Software Engineering Technology*

*September 2016 – June 2020*

### **Oakland Highschool**

*Database Administrator Assistant – Oakland, Oregon*

*September 2012 – June 2016*

- Helped maintain systems deployed throughout the school campus.
- Installed Microsoft Windows operating system along with software and drivers.
- Entrusted to perform maintenance on faculty systems.

## **PROJECTS**

### **Senior Project**

Developed an Android app for tracking warranty of computer components. User would enter the purchase date of the product, warranty period, and optionally an image of the receipt. Main menu displayed an overview of the current progressions of the warranty periods, along with text representing the number of days remaining. Utilized SQLite for storing the warranty information.

### **Personal Website**

Built an online portfolio for visualizing projects. Made use of HTML, CSS, JS, Bootstrap, AWS S3, and DNS hosting.

## **EXTRACURRICULAR**

I enjoy outdoor activities including rafting, biking, and exploring. I have interests in woodworking, metalworking, automotive repair, CNC machining, and audio. Over 10 years of hobbyist IT and hardware experience.