

## Maxwell Zimmer

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## SUMMARY

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Entry-Level Software Engineer with experience in C#, .NET, Python, React.js, and Azure SQL. Skilled in automating workflows and building scalable applications. Proven ability to work across the full software development lifecycle, from design to deployment, and delivering impactful results through automation and process improvements. Strong communicator with experience in both technical and non-technical environments.

## EDUCATION

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### Oregon State University

*Bachelor of Science, Computer Science*  
GPA: 3.5/4.0

Corvallis, OR

June 2024

## EXPERIENCE

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### American Bureau of Shipping

*Rotational Software Engineer*

Spring, TX

July 2024-Present

- Built the front-end of a chatbot in React.js, designed to emulate ChatGPT and answer classification rule questions.
- Automated the processing of historical gauging documents using C# ASP.NET and MongoDB. Integrated an Azure function with a machine learning model to streamline the upload of gauging data. Developed ~1500 lines of C# code for the system, tested it with Postman, and used GitHub for source control.
- Developed a script to automate future API triggers, handling CSV uploads and bearer token generation.
- Developed dynamic French Flag certificates in Adobe LiveCycle Designer, enabling vessel data to be dynamically loaded for end users. This effort contributed to passing a critical audit and securing the French Flag, earning significant revenue for the company.
- Created and implemented Condition Monitoring (CM) and Preventive Maintenance (PM) processes for classified government vessels in the Preventive Maintenance Program (PMP), coordinating with executives and automating part of the complex data entry process.

### Forest Investment Associates

*Software Development Intern*

Vancouver, WA

June 2022-Nov 2022

- Automated monthly data cleaning and uploads for ArcGIS shapefiles using Python and batch scripting.
- Streamlined data transfer from Excel to Azure SQL with R, customizing SQL scripts to handle diverse file formats.
- Developed MySQL databases from schema to implementation.
- Built Power BI dashboards to present SQL insights for technical and non-technical audiences.
- Wrote 100+ lines of code daily in Python, R, and SQL, automating manual tasks and improving efficiency.
- Earned a two-term internship extension for strong performance and work ethic.

## PROJECTS

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### Naive Bayes Network for Sentiment Analysis

- Created a naïve bayes binary classification model using object-oriented programming in python to analyze whether a restaurant review was positive or negative.
- Achieved 90% sentiment accuracy after the training phase of the program, beating a large majority of my peer's accuracy.
- Utilized Dirichlet priors to ensure that all words had an attached statistical value then applied the Bayesian Theorem to determine the sentiment.

## SKILLS

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**Programming Languages:** C, C++, Python, JavaScript, React.js, CSS, HTML5, MySQL, NoSQL, R, .NET, ASP.NET, C#.

**Tools:** Git, Linux, PowerBI, Wireshark, Postman, MongoDB, Agile, Scrum. Azure SQL.

**Soft Skills:** Communication, Problem-Solving, Team Collaboration, Time Management, Adaptability, Critical Thinking.