

# CS Sample [CLICK HERE FOR THIS FORMAT](#)

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## EDUCATION

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**University of Portland**, Portland, OR

May 20XX

B.S. Computer Science Minor: Mathematics

## TECHNICAL SKILLS

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- *Languages:* Java, C/C++, Python, Haskell, Rust, MATLAB, LabView
- *Systems:* Linux, Android, iOS, Windows
- *IDE:* VS Code, git, Android Studio, Visual Studio

## RELATED EXPERIENCE

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**Research Assistant**, University of Portland, Portland, OR

January 2023 – Present

- Assisted in developing machine learning models aimed at predicting equipment failures in industrial settings.
- Analyzed large datasets using Python and MATLAB to identify patterns and build predictive models.
- Contributed to a paper submitted for publication and developed a predictive maintenance model that reduced downtime by 15%.

**Math Tutor**, University of Portland

January 2022 – Present

- Encouraged problem solving skills in undergraduate students, improving learning outcomes
- Facilitated group learning environments, utilizing knowledge to guide discussion

## ACADEMIC EXPERIENCE

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**Senior Capstone Project**, User Interface & Control Systems

August 2024 – Present

- Collaborated with a company to improve the user interface and control systems of a high-precision power tool.
- Applied control systems and embedded programming skills using C/C++ and MATLAB to develop and test control algorithms.
- Conducted testing and feedback sessions to iterate and enhance the control system.
- Delivered a refined control system that improved tool precision and received positive feedback.

**Data Structures**, Model of United States Customs Office

August 2024 – December 2024

- Developed a simulation model for the United States Customs Office using optimized data structures such as linked lists, trees, graphs, and hash tables.
- Applied data processing and numerical optimization techniques using C and numerical methods to process large datasets and optimize customs operations.
- Applied advanced programming techniques using C/C++ to optimize performance and memory usage.
- Ensured the accuracy and reliability of the simulation model through extensive testing and validation and evaluated efficiency using time and space complexity metrics.
- Delivered a simulation model that improved customs processing efficiency by 25%.

**Object-Oriented Design**, Android Studio App

Spring 2021

- Developed a multi-mode game, including single-player, multiplayer, and challenge modes using Android Studio
- Applied Java and Android SDK to create reusable and maintainable code.
- Conducted extensive testing and debugging using Android Studio's debugging tools to ensure smooth gameplay and fix bugs.

## ADDITIONAL EXPERIENCE

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**Office Assistant**, Initech, Portland, OR

May 2023 – August 2023

**Cashier**, Nordstrom, Seattle, WA

Seasonally 2019 – 2023