

Jennifer Nadolski

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Professional Summary

Highly effective Software Engineer with 3+ years of experience in systems-level development. Proficient in C++ and Python, with a strong foundation in Object-Oriented Design and Algorithms. Known for effective collaboration, delivering reliable code, and troubleshooting complex issues. Seeking a challenging role that leverages my problem-solving skills to contribute to large-scale, mission-critical systems.

Professional Experience

Software Engineer I

Aug. 2022 - Mar. 2024

Microsoft Corporation • Redmond, WA

- Engineered, integrated, and deployed a core Windows 11 Taskbar feature, demonstrating systems-level understanding of Windows APIs and its impact on the experience of over a billion global users
- Demonstrated expertise in C++/17, efficiently developing and debugging code within a complex, decades-old repository, showcasing strong debugging and system analysis skills
- Participated in 5+ code reviews weekly, providing feedback that improved code quality, prevented bugs, and fostered a collaborative development environment

Software Engineering Intern

May 2020 - Aug. 2021

Microsoft Corporation • Redmond, WA

- Designed and implemented drag-and-drop features for the taskbar, enhancing user experience and workflow efficiency, during Windows development and release
- Owned the end-to-end software development lifecycle for this feature, including authoring developer specifications, writing clean and maintainable code, and conducting testing
- Collaborated with cross-functional teams for seamless feature integration, including UX designers and product managers, underscoring interdisciplinary collaboration

Systems Engineering Intern

May 2019 - Aug. 2019

General Dynamics Mission Systems • Scottsdale, AZ

- Authored trade study to replace obsolete network hardware for US Navy satellite ground station
- Presented findings and recommendations to the engineering team in a clear and concise manner, demonstrating effective technical communication of system solutions
- Collaborated with government customers and project managers during Agile Planning Interval events, highlighting stakeholder engagement in system development

Lead Undergraduate Lab Assistant

Aug. 2018 - May 2021

The University of Arizona • Tucson, AZ

- Supported 150+ students per semester in the computer lab, assisting with development, design, and debugging of programming projects to foster a productive learning environment
- Empowered undergraduate lab assistants through mentorship, providing guidance and fostering successful learning outcomes. Independently administered grades, ensuring accuracy and timely feedback for students

Education

B.S. Electrical and Computer Engineering, *The University of Arizona*
Magna Cum Laude, Minor in Mathematics

Aug. 2017 - May 2021

Skills

Languages: C++, Python, Java, JavaScript, C

Systems: Windows APIs, Unix/Linux, Systems Engineering, Agile

Tools & Frameworks: Git, Visual Studio, Azure DevOps

Familiar with: SQL, Docker, REST APIs