

Ryan Spears

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Summary

I am a software engineer with over three years of experience and a passion for leveraging technology to solve complex problems. Currently pursuing a Master's in Software Engineering at Carnegie Mellon University, I specialize in creating impactful software solutions and mentoring others to foster continuous growth. Skilled in developing robust applications focusing on efficiency, innovation, and high-quality standards.

Socials: [Github](#) | [LinkedIn](#) | [Personal Site](#)

Experience

Carnegie Mellon University Robotics Institute | PA, Pittsburgh

Researcher | 10/2023 - Present

Innovating with Robotic Operating Systems (ROS) to apply machine learning techniques for sound data classification, driving advancements in AI-aided robotic perception.

Benco Dental

Senior Software Developer | 08/2024 - Present

- Lead architect for high-impact software projects, ensuring top-tier quality and operational excellence.
- Mentor junior developers, fostering a culture of learning and development.
- Pioneer technical innovations to align with business goals and streamline operations.

Benco Dental | PA, Pittston

Software Developer | 03/2022 - 08/2024

- Spearheaded the adoption of advanced tools and workflows, driving operational efficiency.
- Managed internal application projects, demonstrating leadership and technical expertise.

Benco Dental | PA, Pittston

Associate Software Developer | 09/2021 - 03/2023

- Resolved critical system issues, maintaining a high uptime with expertise in C# (.NET) and Python.
- Implemented CI/CD workflows for 15 projects, leveraging tools like Atlassian Bamboo and Octopus Deploy.

Benco Dental | PA, Pittston

Temporary Developer | 05/2021 - 09/2021

Education

Carnegie Mellon University | Pittsburgh, PA

M.S. Software Engineering | 05/2025

- 3.98 GPA
- Expected to graduate in just **two** semesters

Florida International University | Miami, Florida

B.A. Computer Science

- 3.82 GPA
- Completed **2/3s** of degree in just over **one year**

Skills

HTML, CSS, JavaScript, Python, SQL, SQL Server Management Studio, .NET, C#, React.js, Next.js, Rust, Git, Computer Science