

# Josiah Schmitz

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Active Security Clearance

## EDUCATION

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<b>Bachelor's of Science in Computer Science</b>	<b>May 2026</b>
Wright State University	GPA: 3.842
• Minor in Mathematics	
<b>Master's of Science in Computer Engineering</b>	<b>May 2027</b>
Wright State University	GPA: 3.842

## WORK EXPERIENCE

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<b>General Intern</b>	Sep 2021 — Aug 2023
TJAR Innovations LLC	<i>Xenia, OH</i>
• Learned to use SOLIDWORKS from scratch	
• Utilized SOLIDWORKS to design models for industrial 3D-printed molds	
• Created simple SOLIDWORKS assemblies to help visualize components for employer	
<b>Software Intern</b>	Jun 2024 — Aug 2024
SciTec Inc	<i>Fairborn, OH</i>
• Supported software development on SBIR contract for the US Air Force on a four-person team at 350-employee defense contracting company for two separate summers	
• Set up a custom docker container using Redhat Linux	
• Co-developed a recorder and playback tool for ZMQ data streams	
• Wrote unit tests for ZMQ program in Java to ensure 80% code coverage	
<b>Software Intern</b>	Jun 2025 — Aug 2025
SciTec Inc	<i>Fairborn, OH</i>
• Participated in a ten-person team and learned common team management practices	
• Assisted in development of visualization software for geostationary and geosynchronous satellites	

## PROJECTS

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<b>Word Memory Video Game</b>	Mar 2023 — Apr 2023
• Came up with the idea for an original video game involving word memory	
• Programmed the entire video game in Java with the Swing toolkit	
• Used GUIs to create a functional interface for the video game	
• Provided instructions to the player via GUIs for how to play the video game	
<b>Magic Schedule Generator</b>	Aug 2025 — Dec 2025
• Worked on a team with two other graduate students for an Intro to Software Engineering course	
• Developed a program that could generate class schedules for a student given specified majors and desired schedule length	
• Program had a fully developed web interface that used Flask as the framework for the back-end	
• Assisted with the development of both the Python-based back-end and HTML/CSS-based front-end	
• Learned to communicate and divide responsibilities with team members and document progress with weekly reports	

## SKILLS

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- **Programming Languages:** Java, Python, C/C++, Bash, HTML
- **Technologies:** VSCode, Eclipse, git, UNIX, Docker, Vim, Java Swing, SOLIDWORKS

## ACHIEVEMENTS

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• Wright State Honors Program Competitive Scholarship	Aug 2022 — Apr 2025
• College of Science and Mathematics Dean's List	Fall 2024
• College of Science and Mathematics Dean's List	Spring 2025 — Present