

Josiah Schmitz

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Active Security Clearance

EDUCATION

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

WORK EXPERIENCE

General Intern	Sep 2021 — Aug 2023
TJAR Innovations LLC	<i>Xenia, OH</i>
<ul style="list-style-type: none">• 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	
Software Intern	Jun 2024 — Aug 2024
SciTec Inc	<i>Fairborn, OH</i>
<ul style="list-style-type: none">• 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	
Software Intern	Jun 2025 — Aug 2025
SciTec Inc	<i>Fairborn, OH</i>
<ul style="list-style-type: none">• Participated in a ten-person team and learned common team management practices• Assisted in development of visualization software for geostationary and geosynchronous satellites	

PROJECTS

Word Memory Video Game	Mar 2023 — Apr 2023
<ul style="list-style-type: none">• 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	
Magic Schedule Generator	Aug 2025 — Dec 2025
<ul style="list-style-type: none">• 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

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

ACHIEVEMENTS

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