

JOSHUA WISE

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EDUCATION

Wright State University | *B.S. in Computer Science*

Fairborn, Ohio | Expected Dec 2026

Relevant Coursework: Data Structures, OS Internals, Cyber Security, Special Topics.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, HTML/CSS, SQL, Bash

Frameworks & Tools: React, Next.js, Flask, FastAPI, Git, Docker, Postgres, MariaDB, Firebase, Vim, Power BI

EXPERIENCE

Wright State University | *Raider Immersion Intern*

Fairborn, Ohio | Dec 2025 - Present

- Supporting Booz Allen's **missile modeling** and simulation team to develop and analyze dynamic and kinematic models of missiles and aircraft systems.
- Developing a user-friendly workflow and graphical interface that integrates with an open-source software API to verify program input and validate program output.
- Collaborating with a **multidisciplinary team** to ensure completion of delegated milestones, participating in standups to report progress and perform technical reviews.

Air Force Research Laboratory (AFRL) | *Year-round Intern / Full-stack & Data Analysis*

Fairborn, Ohio | Mar 2024 - April 2025

- Built a **full-stack** internship portal using Flask, HTML/JS, and Firebase; migrated data from Datastore to Firestore.
- Managed internal datasets and developed Power BI dashboards with DAX to visualize operational costs and usage.
- Automated data workflows to improve customer satisfaction and information accessibility.

Wright State University | *Teaching Assistant & Java I & II Lab Leader*

Fairborn, Ohio | Aug 2024 - Dec 2025

- **Lead** a 50-student lab on **Object-Oriented Programming**; coordinate grading and deadlines with staff.
- Demonstrate live coding workflows using Git and IDEs to enhance student understanding of development environments.

PROJECTS

Cooking App | *Next.js, FastAPI, MariaDB, GitHub*

Present

- Led a 4-person team to ship a **full-stack** culinary app; architected the Next.js frontend and FastAPI backend.
- Managed Git version control, **conflict resolution**, and feature integration for the team.

WiseBot | *Python, Discord.py, Tailscale*

Aug 2025 - Present

- Created a Discord bot to **automate** home server media queries and management.
- Enabled secure remote management of Immich, Nginx-Paperless, and Jellyfin services via Tailscale.

EXTRACURRICULAR LEADERSHIP

- **Wright State eSports:** Served as **Secretary** (2023-24) managing club logistics, and **Team Captain**, leading strategy for a 5-person competitive team.
- **Hackathon Participant:** Built a self-hosted software called **Box-Notes** to self-host and render markdown notes.