

# Maximilian A. Jansen

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## Education

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**Worcester Polytechnic Institute (WPI)**, Worcester Massachusetts  
*Bachelor of Science in Computer Science*

*Aug 2024 - May 2028*

## Skills

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**Programming Languages:** Python, Java, HTML, CSS, JavaScript, C, C++

**Technologies:** Microsoft Defender, Ninja One, Microsoft Azure, Git, IntelliJ, Pandas, NumPy, JUnit Testing, Bash, Flask, Bootstrap

## Experience

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### Cyber Security Summer Internship

*May 2025 - Aug 2025*

Salt Lake City, Utah | Prestige Financial Services

- Developed an active risk register to highlight and categorize 30+ potential **cybersecurity risks** faced by the company.
- Created a **critical device register**, listing servers and important devices to prioritize asset assessment in case of an outage.
- Drafted and distributed weekly **cybersecurity emails** to staff to keep them informed about current cyber threats.

### Web Development Summer Internship

*Jun 2023 - Aug 2023*

Salt Lake City, Utah | CORE Sciences

- Developed interactive demo template website functions from scratch using **HTML, CSS, and JavaScript**, improving user engagement on the website by 10%.
- Assisted in building scalable website templates from scratch, streamlining future development projects.
- Independently learned web development concepts through online resources and hands on practice, quickly applying new skills to real world projects.

### Rubin Campus Center Building Manger

*May 2024 - Current*

Worcester, Massachusetts | Worcester Polytechnic Institute

- Oversee Rubin Campus Center at WPI and ensure the security of the building and help guests with any questions.

## Projects | [github.com/Water6446](https://github.com/Water6446)

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### AI Stock Tracker Script for U of U Finance Project

*Sep 2025 - Oct 2025*

- Developed and deployed a Python script using the **Google Gemini API** to automate daily stock analysis, parsing data into a master CSV for trend tracking, and integrating with **Windows Task Scheduler** for autonomous operation.
- Enhanced reliability with API retry logic (exponential backoff) and simplified distribution/configuration via a menu driven CLI and standalone **Windows executable**.
- Utilized for a **University of Utah finance** research project, providing daily pre-market data collection and analysis.

### WPI Research Portal

*Sep 2025 - Dec 2025*

- Developed a **Flask web application** for managing research opportunities, supporting faculty postings and student applications with **Auth0 SSO**, role based access control, and email verification.
- Full stack development with **AWS** deployment
- Built secure backend logic with **SQLAlchemy ORM**, password hashing, protected routes, audit logging, and Zoom integration for automated scheduling and status updates.

### Koi Pond New Tab

*Sep 2025 - Dec 2025*

- Developed a Chrome extension New Tab page, with autonomous agent navigation and interactive environments with HTML5 Canvas, vector math, and custom physics.
- Built frontend with Vanilla JavaScript (ES6), off-screen caching, and a robust grid system with many movable elements

## Extracurriculars

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### WPI Cyber Security Club

*Dec 2024 - Current*

- Capture the Flag (70 PicoCTFs) events and online challenges using Cryptography, Forensics, and Reverse Engineering.

### Treasurer of WPI Ultimate Frisbee Team

*Aug 2024 - Current*

### Sigma Alpha Epsilon Member

*Nov 2023 - Current*

### WPI Ski Team

*Aug 2025 - Current*