

# Justin Angara

Chicago, IL | (630) 589-6140 | [justin.angara@gmail.com](mailto:justin.angara@gmail.com)  
personal-website | [github.com/JustinAngara](https://github.com/JustinAngara) | [linkedin.com/in/justinangara](https://linkedin.com/in/justinangara)

## SUMMARY

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Curious full-stack & kernel + systems-focused developer passionate about reverse-engineering and automation.

## EDUCATION

### University of Wisconsin-Madison

May 2027

Bachelor of Science, Double Major in Computer Science and Economics

- Pi Kappa Phi Fraternity Recruitment Chair: Organized social events for 1000+ underclassmen students.

### QuickStart (formerly Promineo Tech) Software Engineering Bootcamp

Graduated

## WORK EXPERIENCE

### Software Engineer Contractor - Telecom Data Tools & AI/GPT Integration

May 2025 - Present

Fortune 500 Wireless Industry Client

Chicago, IL

- Designed JS/Python-based tools to parse, clean, and transform multiple network configuration files via XML.
- Analyzed telecom parameters (e.g., NRCELL, cellBwpList) to support internal data (over 7000+ IDs).
- Built custom GPT-powered scripts to explain 5+ technical configurations for easier communication.
- View some of the tools: <https://justinangara.github.io/xml-parser/>

### Full-Stack Software Engineering Internship

May 2025 – Present

OpenQQuantify

Vienna, VA

- Recording 10+ technical walkthroughs on Flask systems (auth & SQLAlchemy) with GitHub demos.
- Building modular Flask apps with HTML/Junja, JavaScript, and WebSockets that integrate Open AI tools.
- Contributing to multiple company domains through open source development.

### AI & Prototyping Engineer | Innovation & Venture Fellowship

June 2025 – Present

Tech Exploration Lab - University of Wisconsin-Madison

Madison, WI

- Researching AR/CV stacks (OpenCV & Unity) for vehicle condition detection in rental workflows.
- Building low-fidelity AI-assisted AR check-in flow demos and testing 3+ use cases for damage.
- Conducting user interviews and mapping the rental workflow to validate the demand for AR conditions.
- Delivering final demo + memo evaluating options (i.e., partners) based on prototype feedback.

### Front-End Software Engineering Internship

October 2022 - January 2023

Comet

Santa Clara, CA

- Selected as Intern of the Week (Top 7%) for initiative during the software delivery cycle.
- Contributed to 5+ cross-functional projects across engineering, enhancing testing, and UI/UX design.
- Assisted in internal development efforts that contributed to website features and UI improvements.

## PROJECTS

### Kernel-level Windows Game State Analysis & Memory Protection System

June 2025 - Present

C/C++, Ring-0 Programming, Windows Kernel Development, SSDT Hooking

<https://github.com/JustinAngara/Kernel-based-Windows-State-System>

- Developing a Windows kernel driver intercepting memory operations across 10+ games (<0ms latency).
- Implementing an advanced memory virtualization layer to isolate game state sandboxes for security testing.
- Scanning 10,000+ memory structures to detect overflows & unknown memory corruption vectors.

### Full-stack & Low-level Anti-Cheat for Online Exams: Defensive & Offensive Testing

May 2025 – June 2025

Java, C, React TS, Springboot, OpenAI Integration, Reverse Engineering, Low-level System Integration

<https://www.youtube.com/shorts/G9aQb5mFjbo> | <https://github.com/JustinAngara/Whitehat-Hacking-Honorlock>

- Monitored over 100 processes in the background for process injection and GDI-level manipulation techniques.
- Created 15+ evasion methods (DLL injection, memory patching, GUI hooks), achieving a 96% detection rate.
- Implemented a React front-end with a WebSocket-based monitoring system with automated system checks.

## SKILLS

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**Languages:** C/C++, Java, JavaScript/TypeScript, Python

**Technologies:** AWS, ReactJS, Springboot, Flask, MongoDB, MySQL, RESTful API & WebSocket usage

**Concepts:** Database Theory & Security, Git, Image Processing, Computer Vision, Process Injection