Justin Angara

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SUMMARY

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 for 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
- Recorded 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.
- Contributed to 3 unique company domains (SWE, Physics, Engineering) through open source development.

AI & Prototyping Engineer | Innovation & Venture Fellowship **June 2025 – Present**
Tech Exploration Lab - University of Wisconsin-Madison Madison, WI
- Researched AR/CV stacks (OpenCV & Unity) for vehicle condition detection in rental workflows.
- Built low-fidelity AI-assisted AR check-in flow demos and tested 3+ use cases for damage.
- Conducted 2 user interviews and mapped the rental workflow to validate the demand for AR conditions.
- Delivered 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

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