

Justin Angara

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A Curious Systems & Full-Stack Developer

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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

Network Software Engineer Contractor

May 2025 – Present

Fortune 500 Wireless Industry Client

Remote – Chicago, IL

- Designed Python tools that parse 10,000 network configuration files, cutting other processing tools by 70%.
- Analyzed telecom parameters (e.g., NRCELL, cellBwpList) to support internal data of over 7,000 IDs.
- Engineered GPT documentation bots for technical explanations, improving communications across domains.
- Built an interactive map that displays over 100+ potential network sites to discover over 20+ dead zones.
- View some of the UI friendly tools: justinangara.github.io/xml-parser/

Full-Stack Software Engineering Internship

May 2025 – Present

OpenQQuantify

Remote – Vienna, VA

- Hackathon winner (Top 5) @ company level, creating a real-time fact checker via Gemini API & system audio.
- Recorded 10+ walkthroughs on Flask systems (OAuth2 & SQLAlchemy) for 30+ interns in my cohort.
- Built AWS-deployed Flask apps with Python & WebSockets that integrate Open AI tools, reaching 60+ users.
- View Hackathon win: github.com/JustinAngara/LiveFactChecker

AI & Prototyping Engineer - Innovation & Venture Fellowship

June 2025 – August 2025

UW Tech Exploration Lab

Hybrid – Madison, WI

- Planned AR/CV stacks (OpenCV & Unity) for vehicle condition detection to optimize business workflows.
- Conducted 2 user interviews and mapped the rental workflow to validate the demand for AR conditions.
- Built low-fidelity AI-assisted AR check-in flow demos and tested 3+ use cases for precise damaged spotting.
- Delivered final demo + memo evaluating options (i.e., partners/departments) to obtain potential partnerships.

Front-End Software Engineering Internship

October 2022 – January 2023

Comet

Remote – Santa Clara, CA

- Selected as Intern of the Week (Top 7%) for initiative during the software delivery cycle.
- Contributed to 5+ projects across engineering, business design, and marketing, reaching over 500 users.
- Contributed to website features and UI improvements that optimized runtime speeds by 114%.

PROJECTS

Kernel-level Windows Game State Analysis & Memory Protection System

June 2025 – Present

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

github.com/JustinAngara/Kernel-based-Windows-State-System

- Architected a kernel driver to intercept & analyze system memory across 10+ games, achieving latency < 1ms.
- Engineered memory virtualization layers via SSDT hooking to create isolated sandboxes, enabling live analysis.
- Developed a memory scanner to traverse 10,000 memory structures to scan corrupted vectors/buffer overflows.

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

www.youtube.com/shorts/G9aQb5mFjbo | 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% bypass 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