Justin Angara

Chicago, IL | (630) 589-6140 | justin.angara@gmail.com

justinangara.github.io/personal-website/
linkedin.com/in/justinangara
github.com/JustinAngara

SUMMARY

Curious full-stack & kernel + systems developer discovering reverse-engineering, automation, and optimization.

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 | (Part-Time) 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 | (Part-Time) Remote – Vienna, VA
- Recorded 10+ walkthroughs on Flask systems (auth & SQLAlchemy) for 30+ interns in my cohort.
- Built 2 Flask apps with JavaScript & WebSockets that integrate Open AI tools that reached over 60 users.
- Facilitated 3 unique company domains (SWE, Physics, Engineering), expanding internal developer toolset.

AI & Prototyping Engineer - Innovation & Venture Fellowship **June 2025 – Present**
UW Tech Exploration Lab | (Part-Time) 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 | (Part-Time) 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