

Rohan Thakkar

EDUCATION

University of Illinois Urbana-Champaign

Bachelor of Science, Computer Science and Philosophy

Coursework: Intro to Algorithms, Intro to Big Data Systems, Computer Architecture

May 2028

GPA: 3.84

WORK EXPERIENCE

Peer Tutor

University of Wisconsin

Sep 2025 – Dec 2025

Madison, WI

- Provided in-class and office hours support for ECE 252 – Intro Computer Engineering

Technical Support & Development

PAWS Chicago

May 2025 – Sep 2025

Chicago, IL

- Improved knowledge base and technical documentation to create long-lasting impacts & solutions
- Implemented LLM-driven self-service support leveraging an existing knowledge base and past tickets to provide users with personalized, accurate assistance at all times (Python, LangChain)

Technical Support

PAWS Chicago

Sep 2023 – Jan 2024

Chicago, IL

- Documented and resolved or elevated tickets using ServiceNow with a resolution rate above 93%

Engineer Intern

Caterpillar

May 2022 – Jul 2022

Deerfield, IL

- Designed eco-friendly ECU profiles guided by data collection (PL Suite) and analysis (Tableau)
- Developed and proposed potential engine improvements using SolidWorks CAD modeling & simulation

Projects/Other

Undergraduate Researcher | Python, LangChain, Dafny, Gymnasium, PyFlyt, PyTorch

- Worked under Dr. Frederic Sala to research and streamline LLM distillation techniques for drone control
- Developed training environments using the Aerial Gym Simulator built on Isaac Gym
- Verified correctness of distilled programs using Dafny for static analysis

Insight Wisconsin Application Development Team Lead | C++, Swift

- Enabled wireless connectivity across cell phones and electrical stimulation hardware
- Facilitated collaborative project discussions to ensure smooth design and development processes

Minecraft Tools & Anti-Cheat Systems | Java, C++, Wireshark, JNI, ASM

- Contributed to the development of competitive advantage tools for Minecraft Java Edition
- Discovered applications of concepts from malware detection for the purpose of detecting
- Collaborated with Vulcan AntiCheat developers to design heuristics for detecting unusual packets

3Docs (MadHacks 2025 1st Place) | Python, Next.js

- Generates and presents interactive 3D guides from manuals or repair guides provided by the user

Song to FL Studio File | Python

- Breaks audio samples into components structured as an FL Studio project files

SKILLS

Java, C++, Python, Git, Docker, Linux, Make, Test Automation (JUnit, pytest, GTest)