

Kevin Yin

678-200-8138 | kevinyin087@gmail.com | [linkedin.com/in/kevin-yin-ky/](https://www.linkedin.com/in/kevin-yin-ky/) | github.com/Elliptic461

EDUCATION

Georgia Institute of Technology

Bachelor of Science in Computer Science - Networking & Cybersecurity

December 2026

GPA: 3.63

EXPERIENCE

Greyhat | *Python, Pwntools, SQL, Assembly, C, Java*

Greyhat Competition Team Member

January 2025 – Present

Atlanta, GA

- Utilize buffer overflow, SQL injection, web timing attack, and more exploits technique to solve CTF challenges.
- Utilize Ghidra, GDB, Pwntools to analysis binaries, identify vulnerabilities, and develop proof of concept exploits in CTF challenges.
- Mentor approximately 10 new club members on cyber related concept including call stack, stack smashing, writing a payload script, and more.

Security Researcher

Undergraduate Research Assistant

May 2025 – Present

- Conduct interviews with threat actors to analyze attack motives, methods, and target selection strategies, to support cybersecurity research focusing on threat actors.
- Organize and interpret qualitative data from surveys and interviews to identify trends and generate security insights.

RoboWrestling's Robot | *C++, PlatformIO*

RoboWrestling Developer

August 2024 – August 2025

- Implemented a state-based control system on a Teensy 4.1 microcontroller to determine the enemy's robot position given the sensor input and timer.
- Performed iterative testing and debugging of robot algorithms by tuning hyper parameters in order to improve robot reaction by 40% and ensuring reliable behavior.
- Contributed to specialized strategies such as circle maneuver algorithm, allowing the robot to effectively avoid and counter opponent's robot during matches.

PROJECTS

LLM CTF Agent

LLM Developer

September 2025 - Present

Atlanta, GA

- Contributed to the LLM framework by developing two functions that enabled the agent to solve cryptography and binary exploitation CTF challenge through file triage, primitive detection, solver script generation, and iterative exploit refinement.
- Created CTF challenges to test the LiteLLM's reasoning in real-world cybersecurity scenarios, including ciphertext analysis, input validation flaws, and heap/stack exploitation.

DiceCTF-2025

Greyhat Hacker

March 2025

Atlanta, GA

- Solved a reverse engineering challenge using Ghidra to reverse engineer the algorithm.
- Qualify for the finals by using tools such as Ghidra, GDB, and python to identify and exploit program vulnerabilities.

GT Movie Website | *Django, Python*

Back-end Developer

February 2025

- Developed and validated forms using Django Forms API with custom error handling to ensure data integrity and provide feedback to users for an improved user experience.
- Served as team lead, managing backlog and conducting daily meeting to ensure clear communication between development team and clients, enabling smooth project execution.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Assembly (x86, x86_64), HTML/CSS, Javascript, SQL

Frameworks: Django, Node.js, PlatformIO, JUnit, Arduino

Developer Tools: Git, Docker, VS Code, PyCharm, IntelliJ, WSL, Ghidra, GDB, Binary Ninja

Libraries: pwntools, TensorFlow, PyTorch, Z3