

# Kevin Yin

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## 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

### 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

- Built a Django-based web application** that allow users to order movies and submit reviews, streamlining the movie-buying process and enhancing user engagement.
- 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, Z3, TensorFlow, PyTorch