Sean Hyde

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Professional Summary

As a junior transfer student at Rensselaer Polytechnic Institute pursuing a Bachelor degree in Computer Science, I am eager to apply my knowledge and skills in the field of software development. I am seeking an internship or entry-level position where I can contribute to innovative projects, leverage my technical expertise, and continue to grow professionally in the rapidly evolving tech industry.

Education

Rensselaer Polytechnic Institute   Troy, NY
Bachelor's in Computer Science   08/2024 – Present

SUNY Polytechnic Institute   Utica, NY
Bachelor's in Computer Science   08/2022 – 04/2024

Relevant Coursework:

Data Structures & Algorithms: **C++**, Object Oriented Programming: **Java**, Software Engineering: **Java**, Principles of Programming Languages: **Lua, Python, HTML & CSS**, Computer Graphics: **C++**

Leadership Positions

HackRPI Discord Bot   Troy, NY
Group Leader   *Jan. 2025 - Present*

- Currently leading a small team for HackRPI. In charge of leading the development of a discord bot to work in tandem with the website and allows administrators to create new announcements and view scheduled announcements.

- Created detailed documentation for setup with the discord.py library and basic project setup.

- Successfully managed a small team to ensure work is completed by the deadline.

Work Experience

Liftryte Start-up   Troy, NY
Co-Founder   *Jan. 2024 - Present*

- Co-Founded Liftryte, a startup app company dedicated to assisting gym-goers in improving their exercise form in real-time. I developed front-end components using React Native, contributing to the app's user interface and experience.

- Additionally, I honed strong teamwork skills by collaborating closely with a small team to program various aspects of the application.

2022 AFRL Challenge Competition   Rome, NY
Participant   *Apr. 2022 - Apr. 2022*

- Participated in a competitive challenge focused on optimizing and enhancing a machine learning program for accurate human, horse, and cat recognition. Gained valuable experience in training and fine-tuning machine learning models.

- Successfully presented our work and findings to a panel of experts at Griffiss Institute, demonstrating both technical proficiency and effective communication skills in a high-stakes environment.

Projects

JWT Authentication Sample Project   2024

- Developed a user authentication system using JWT with registration, password hashing (bcrypt), and login functionality. Integrated MongoDB for data storage and built a responsive frontend. API endpoints for user registration and login. Source code available on my GitHub.
- Technologies: Node.js, Express.js, MongoDB, bcrypt.js, JWT, HTML, CSS, JavaScript

EverQuest Item Finder Bot   2024

- Built a Discord bot for finding EverQuest items using the OpenAI API for natural language processing and PostgreSQL for data storage. The bot translates natural language queries into SQL to retrieve item data, and it features a Flask web interface for added functionality.
- Technologies: Python, Flask, OpenAI API, Discord API, PostgreSQL, HTML/CSS

Skills

Languages: JavaScript, HTML & CSS, Python, Java, C, C++
Tools/Frameworks: React Native, React, Node, Git/GitHub, MongoDB, PostgreSQL

○ GitHub   in LinkedIn   ✉ Personal Website