Roman Slack

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Highly motivated **Computer Science** and **AI** student with a strong foundation in software development, seeking a **Full or Part-time position** to gain hands-on experience and contribute to meaningful projects

EDUCATION

Rochester Institute of Technology | Pursuing Bachelor of Science in Computer Science Pursuing, 2026/7
- Relevant Coursework: Computer Science lecture/lab, Discrete Mathematics, Calculus, **Research / Technical Writing Lab**

EXPERIENCE

AI / Fullstack Engineer   Nov 2024 - March 2025
Levangie Laboratories | Rochester, NY

- Constructed Agentic AI systems, working directly with the latest AI developments to build advanced AI systems.
- Collaborated with a team of engineers to **design** and **optimize workflows** to meet project specifications.
- Developed front end + back end systems to support agentic framework
- Applied knowledge of data structures, databases, and algorithms to achieve complex AI oriented tasks.
- Demonstrated effective version control using Git terminal commands, **Github**, and pull requests.

AI Research Intern   June 2025 - August 2025
Air Force Research Laboratory Information Directorate | Rome, NY

- Worked with a team to conduct classified research in the defense space utilizing custom AI algorithms and leveraging virtual spaces.
- Applied **professional communication** and **leadership** techniques in the lab, and worked towards achieving novel and SOTA techniques in our field of research.

Founder and CEO of NextGen   Jun 2023 - Present
NextGen | Black Hills Area, SD https://nextgen-sd.netlify.app/

- Founded and organized a **free programming day camp**, providing **underserved students** with an opportunity to learn programming in a supportive environment.
- Led partnerships with local nonprofits and government organizations to coordinate and execute successful events. •
  Taught a fast-paced in-depth agile programming course to over 100 underserved students in **my community**
- Secured sponsorships and funding to ensure the **sustainability** of the project, resulting in an annual event that continues to grow.

Full Stack App design (Freelance)   Aug 2024 - Sept 2024
Tick-It | Tampa, FL

- Collaborated with client to **design, develop, and deploy** a custom **eCommerce application** utilizing **Flutter** for cross-platform development.
- Applied **Google Cloud Platform** for backend integration, ensuring **scalability** and optimized **performance**.

PROJECT EXPERIENCE

SimuVerse (MultiAgent AI Research and Visualization Platform) (RIT AI Club)   Aug 2024 - Present
- Organized the development of an AI-driven simulation platform, utilizing Unity, Langchain and Python to design intelligent multi-agent systems.
- Led team consisting of peers and advisors to begin development of visualization for multiagent AI research using unique LLM's.

Aegis Intercept (Open Source RL Missile Defense Gym) (RIT x UW)   May 2025 - Present
- Developed a scalable reinforcement learning environment simulating missile interception, progressing from 2D PPO prototypes to full 6DOF physics with adversarial behavior and curriculum learning
- Integrated hierarchical RL, toggleable visualization, and checkpointed headless training for reproducible defense-focused AI research.

SKILLS

Technical: Python, PyTorch, TensorFlow, NumPy, C#, C++, JavaScript, Flutter, Dart, HTML5 web design, Kotlin, Blender, Unreal Engine 5 (UE5), Unity, Git, Jupyter Notebooks, Langchain - **Deep Learning Specialization** (DeepLearning.ai), Linux, NextJS, React, Node.js **Empirical:** Microsoft Excel, OpenAI API, Google Products, **AWS, Azure, Google Cloud, Languages:** English (Native), Spanish (Adv), Chinese (Inter)

LEADERSHIP

RIT AI Club - Club Project Coordinator (500+ Members)   January 2025 - Present
- Spearheaded project planning and execution for the SimuVerse AI platform, fostering collaboration across interdisciplinary teams.

Reptile Gardens (Largest Reptile Zoo in the world) - Horticulture Team Lead **(4.5 Years)**   Jun 2020 - Aug 2024
- Managed a horticulture team in the world's largest reptile zoo, enhancing operations through effective team management, resource allocation, and project execution. Our efforts resulted in winning multiple **state tourism awards.**