

# Roman Slack

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Highly motivated **Computer Science** and **AI** student with a strong foundation in software development, seeking a **Summer Co-op** or **internship** 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.

### Middle School Programming Teacher

August 2023 - May 2024

Youth and Family Services | Rapid City, SD

- Designed and implemented a programming curriculum, teaching over 100 students fundamental and advanced programming skills using **AI-driven tools**.
- Applied **professional communication** and **leadership** techniques in the classroom, enhancing the learning environment.
- Cultivated educational development using supplemental learning and community activities to inspire a STEM pathway in students.

### 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 project lead 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.

### Vocal Language App (Open Source AI Language Tutor)

Dec 2022 - Mar 2023

- Developed an AI-powered language learning platform using **Python**, **Keras**, and the **OpenAI API**, improving language proficiency.
- Designed and implemented a **React** and **Node.js** front-end, creating a dynamic and intuitive user interface.

## SKILLS

**Technical:** Python, PyTorch, TensorFlow, NumPy, 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, **Languages:** English (Native), Spanish (Advanced), Chinese (Intermediate)

## LEADERSHIP

### RIT AI Club - SimuVerse Project Lead

Sept 2024 - Present

- Spearheaded project planning and execution for the SimuVerse AI platform, fostering collaboration across interdisciplinary teams.

### Youth Safety and Sustainability Committee - Founder

Jun 2023 - Present

- Worked directly with community leaders and fellow students to establish a committee relevant to the sustainability and safety of our city.

### 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**.