

# Tyler Du

Reno, NV | tyleryeedu@gmail.com | (775) 997-8654

Linkedin: linkedin.com/in/tyler-du-link | GitHub: github.com/Vicguin65

## EDUCATION

### Rensselaer Polytechnic Institute

Troy, NY

Bachelor of Science: Computer Science | GPA: 3.7

May 2026

- **Relevant Coursework:** Data Structures, Foundations of Computer Science, Linear Algebra, Computer Organization, Algorithms, Graph Theory, Principles of Software, Operating Systems

## WORK EXPERIENCE

### Rensselaer Polytechnic Institute

Troy, NY

Undergraduate Mentor

Aug 2023 - Present

- Provided academic support for students in Foundations of Computer Science and Algorithms courses.

### AI Camp

Palo Alto, CA

Product Lead

Sept 2023 - Nov 2023

- Led and mentored a team of high school student interns in the utilization of NVIDIA guardrails alongside GPT-3.5-turbo, developing an ongoing educational bot that teaches HTML to middle and high school students.

Junior Developer

Dec 2021 - June 2023

- Worked on various different projects such as the School Contacts Webscrape, Django Grouping API, and Hiring Management System as a backend engineer.

## PROJECTS

### REST API For AWS Identity Store | IBM | Python, AWS Lambda, CloudFormation

Project Manager

Jan 2024 - May 2024

- Created a REST API that managed security and identity permissions for IBM Cloud team.
- This project integrated AWS Identity Store with IBM Security Verify allowing single sign-on across identity providers while developing an API that addresses AWS SCIM API limitations.
- My API serves over 100 IBM teams worldwide daily.

### Accessible Routes Routing API | Python, Django, PostgreSQL, AWS EC2 servers, Docker

Backend Engineer

Aug 2023 - Present

- Developed a RESTful API using Python and Django to provide accessibility data (stairs, elevators, ramps) for Rensselaer Polytechnic Institute's campus.
- Deployed frontend and backend using Docker and AWS EC2 servers. Configured servers for domain name and SSL certificate integration.

### School Contacts Webscrape | Python, BS4, Selenium, LLM's GPT-3.5-turbo

Backend Engineer

June 2023

- Developed application to collect school contact information using school websites through webscraping.
- Over 68,000 school faculty members' information was collected using tools such as BeautifulSoup4, Selenium, and OpenAI gpt-3.5-turbo API.

## SKILLS & AWARDS

**Awards:** National Cyber Scholar with Honors, Dean's Honor List, FBLA Gold in Computer Game and Simulation

**Programming Languages:** Python, Java, C, C++

**Backend Development:** Django, PostgreSQL, Docker

**Frontend:** React, HTML, CSS, Javascript

