

Anh Nguyen

aln4739@rit.edu | anhnlh.com | linkedin.com/in/anhnlh | github.com/anhnlh

EDUCATION

Rochester Institute of Technology

Honors Program, BS Computer Science & Economics

Rochester, NY

Aug 2020 – Dec 2024

- **GPA:** 3.95/4.00
- **Relevant coursework:** Software Engineering, Database Management, Distributed Systems, Cryptography

WORK EXPERIENCE

Hochschule Düsseldorf

DAAD RISE Germany Research Scholar

Düsseldorf, Germany

May 2024 – Aug 2024

- Researched explainable AI (xAI) techniques and developed autoencoder models for dimensionality reduction.
- Developed an interactive suite for comparing the performance of multiple dimensionality reduction methods.
- Optimized the novel data quality assurance tool, reducing runtime by 90% and significantly improving efficiency.

Amplify Education Inc.

Software Engineer Co-op

Brooklyn, NY (Remote)

Jan 2024 – May 2024

- Implemented xAPI user experience collection in mCLASS, impacting over 200,000 K-3 students in Louisiana.
- Resolved a persistent front-end error, reducing 10% user frustration and enhancing application stability.
- Optimized legacy PagerDuty monitors and alarms, minimizing alert fatigue and increasing team productivity.

Software Engineer Co-op

May 2022 – Dec 2022

- Developed a student data merge tool for Tier 3 Support, automating manual processes and saving significant time per ticket.
- Investigated data sources for the ongoing GraphQL integration, speeding up the overall transition process.
- Served as acting Scrum Master for one sprint, ensuring sprint progress and maintaining team momentum.

Rochester Institute of Technology

Student Lab Instructor

Rochester, NY

Aug 2021 – Current

- Assists professors in delivering lab sessions, answering student questions, and grading assignments.
- Provides tutoring and support to students in the mentoring center.

SKILLS

Languages: Python, Java, C#, SQL, JavaScript (React)

Database Systems: PostgreSQL, DynamoDB, MongoDB

Developer Tools: Amazon Web Services (AWS), GitHub, Linux, DataDog, Docker

PROJECTS

Self-hosted Portfolio | *Linux, Cloudflare, Docker*

Jan 2023 – Current

- Hosting my portfolio website along with the LoFiBeats project at anhnlh.com.
- **Utilized** Next.js for my website and Cloudflare to configure the domain and securely tunnel the personal server to the internet.

LoFiBeats | *C#, ASP.NET, PostgreSQL, HTML, CSS*

Jan 2022 – May 2022

- Built a music website where users can create playlists, follow other users, and see popular songs among friends.
- Scraped song, album, and artist data using the Spotify API to populate the database for the website.
- **Utilized** ASP.NET in C# for the full-stack development and PostgreSQL for the website database.

LEADERSHIP

College Delegate | *RIT Honors Council*

Aug 2022 – Aug 2024

- Led conversations with professors for cooperative opportunities with the Honors Program.
- Communicated with the college advocate to plan recreational and academic activities for students.
- Engaged in regular Honors Council meetings where officers plan events and discuss concerns within the program.

Orientation Leader | *Rochester Institute of Technology*

Aug 2021 – Aug 2021

- Led a group of 30 first-year students to attend various events during the university's New Student Orientation.
- Facilitated connections and eased the college transition for incoming students through organized group activities.