

AIDAN RYTHER

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Objective: Seeking a Software Engineering Internship for Spring 2025 and Summer 2025

Education

Rochester Institute of Technology

August 2022 – Present

Bachelor of Science in Computer Science

GPA: 3.5/4.0

- Concentration in Artificial Intelligence
- Minor in Mathematics

Technical Skills

Programming Languages: Python, Java, C, C++, SQL, HTML/CSS, JavaScript, TypeScript

Frameworks: React, Next.js, Angular, NumPy, pandas, JQuery, Flask, PyTorch, TensorFlow SpringBoot

Technologies: Git, REST, OpenSearch, GraphQL, FireBase, Maven, Docker, Linux, Grafana, Prometheus

Work Experience

AT&T

June 2024 – August 2024

Software Engineering Intern

Middletown, NJ

- Developed and deployed a Grafana plugin that allows users to remotely start and stop applications, reducing downtime on ingestion applications by over 80%. This plugin is utilized on hundreds of machines, significantly improving operational efficiency.
- Maintained over 20 comprehensive Grafana dashboards using data from Prometheus, enhancing real-time monitoring and visualization of key performance metrics.
- Implemented and trained machine learning models to analyze service data, providing predictive insights and actionable recommendations that resulted in substantial operational cost savings.

Rochester Institute of Technology

August 2024 – December 2024

Incoming Teaching Assistant and Supplemental Instructor

Rochester, NY

Projects

ShiftList | TypeScript, HTML/CSS, NextJS, MongoDB, PyTorch

September 2023 – Present

- Founded and led the development of ShiftList, a comprehensive HR management tool, effectively handling both front-end and back-end coding to ensure a seamless user interface and quick system performance.
- Managed and mentored a team of 3 engineers, fostering a collaborative environment and leading the way in innovative software solutions, contributing to the project's overall success and scalability by increasing user adoption by 40% in the first 6 months.
- Integrated various features such as employee scheduling, shift swapping, AI-generated scheduling, and real-time notifications, enhancing operational efficiency for businesses using the platform.

Service Quality Viewer | Google Maps API, Python, JavaScript, HTML/CSS, SQL

June 2024 – Present

- Led a team to develop an interactive map using Google Maps API, visualizing customer service quality data based on specific locations to provide users with insights into service strength and reliability.
- Utilized real user data and advanced data visualization techniques to present service information effectively, contributing to improved customer satisfaction and operational efficiency.

Leadership / Extracurricular

Problem Solvers Society at RIT

May 2023 – Present

President and Founder

Rochester Institute of Technology

- Organized weekly LeetCode practice sessions, fostering a competitive yet supportive environment for over 25 students, leading to an average 40% increase in members' technical interview performance.
- Conducted mock interviews and coding challenges to improve members' confidence and skills.

Society of Software Engineers

August 2022 – Present

Mentor and Member

Rochester Institute of Technology

- Mentor over 30 students a week in coursework and enhanced personal software engineering skills.
- Prepare study guides to assist peers in exam preparation.

Google Developers Student Club

August 2022 – Present

Member

Rochester Institute of Technology

- Attend Google Developer Student Club workshops, gaining hands-on experience in software engineering and development tools.
- Collaborate in a peer-driven tech community, keeping current with tech trends and industry practices through regular club meetings.