

Ryan Chen

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Objective

Looking for a co-op position in software engineering and/or data science. Available Summer 2026.

Education

Rochester Institute of Technology (RIT)

Bachelor of Science, Computer Science

Rochester, NY

Graduation: May, 2027

- **GPA: 3.7 | Scholarships:** RIT Presidential Scholarship
- **Relevant Coursework:** Principles of Data Management, Analysis of Algorithms, Mechanics of Programming, Computer Science Theory, Intro to Software Engineering, Concepts of Computer Systems

Experience

Alpine Software Corporation

Software Development Co-op

Fairport, NY

August, 2025 — May, 2026

- Designed and implemented custom software features and enhancements for individual fire departments, such as user interfaces, dispatching and LOSAP logic, reports, and database fields.
- Optimized complex SQL queries, achieving multi-fold performance improvements and reducing execution time for data-intensive operations.
- Diagnosed and resolved issues in existing production codebase, including fixing known issues and eliminating memory leaks to improve performance, stability, and reliability.
- Collaborated directly with clients to gather requirements, clarify goals, and ensure solutions aligned with business needs.
- Documented technical workflows, customization, and internal processes to support maintainability and knowledge transfer across the team.

RIT Golisano College of Computing and Information Sciences

Student Lab Instructor

Rochester, NY

August, 2024 — May, 2025

- Facilitated lab sessions for students, providing hands-on support and guidance on course material.

Coinpocket Studio

Intern

New York, NY

June, 2022 — August, 2023

- Managed invoices using Microsoft Excel, ensuring accurate communication of information with clients.

Extracurricular Activities

RIT GCCIS Tutoring Center

Tutor

Rochester, NY

August, 2024 — May, 2025

- Provided individual and group tutoring to clarify course concepts, help with assignments, and prepare for exams.

Projects

Music Database System | Academic

August, 2024 — December, 2024

- Collaborating with a small group to design and implement the back-end of a music player app.
- Developing a robust SQL database to store and query music metadata, such as playlists and user preferences.
- Tools Used: Java, SQL, Git

Skills

Programming Languages: Python, Java, C, Delphi

Technology: Visual Studio, IntelliJ, PyCharm, Embarcadero, Git, SQL, MySQL, BitBucket, JIRA, Zendesk