

Alexandra Mantagas

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OBJECTIVE: To obtain a computer science, data science, software engineering, or machine learning co-op position. Available September 2025 - December 2026.

EDUCATION

Rochester Institute of Technology | Golisano College of Computing and Information Sciences

Rochester, NY

Bachelor of Science in Computer Science, Minor in Economics

Expected May 2028

- **Awards/Honors:** Carl Reynolds Computer Science Scholarship, RIT Presidential Scholarship, Dean's List - Fall 2023
- **Relevant Coursework:** Mechanics of Programming, Probability and Statistics, Discrete Mathematics, Principles of Data Management, Analysis of Algorithms, Concepts of Parallel & Distributed Systems, Concepts of Computer Systems

SKILLS

Programming Languages: Python, Java, C, C++, C#, SQL, JavaScript

Software: IntelliJ IDEA, PyCharm, Eclipse, MobaXTerm, Vim, Git, Microsoft Office

WORK EXPERIENCE

Rochester Institute of Technology

Rochester, NY

Payroll and Accounts Payable Assistant

August 2025 - Present

- Verify and maintain payroll data in Oracle
- Conduct database review and scrubbing to improve data quality and accuracy of records
- Support travel expense reconciliation and treaty renewal processes
- Handle administrative tasks, including file management, data organization, and report preparation

Henry Kaufmann Campgrounds

Wheatley Heights, NY

Office Assistant

May 2025 - August 2025

- Maintained staff records and spreadsheets with accurate data entry
- Supported staff and campers with technical issues across multiple software platforms
- Assisted with computer setup and software troubleshooting

PROJECTS

U-Fund Wildfire Relief Project

Academic

January 2025 - April 2025

- Developed a crowdfunding platform for wildfire relief using Java Spring Boot and Angular
- Built RESTful APIs for needs management and authentication
- Designed a user-friendly UI for donors and nonprofits with search and filtering features
- Implemented JSON-based storage for data persistence
- Managed development using Scrum, Trello for sprint planning, and GitHub for version control

Music Collection & Recommendation System

Academic

January 2025 - April 2025

- Designed a SQL relational database to manage users, songs, albums, and listening activity with 3NF normalization
- Developed a Java-based application with custom SQL queries for user management and music collections
- Built a song recommendation system using SQL queries based on listening history and trending songs
- Implemented user analytics to track top artists, listening habits, and engagement trends

LEADERSHIP EXPERIENCE

Brick City Blades (RIT Ice Skating Club)

Rochester, NY

Treasurer

August 2024 - Present

- Manage and allocate the club's budget by tracking expenses and revenues
- Coordinate purchases of necessary equipment and supplies
- Collaborate with club leadership to organize and run private ice sessions on campus
- Maintain detailed financial records and reports for the club