Zach Brown

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Undergraduate Software Engineer seeking co-op position (Spring 2025)

Education

B.S. Software Engineering - Rochester Institute of Technology
(August 2021 - May 2025)
- GPA: 3.55 out of 4.00

Skills

Software
- Languages: Java, Python, Javascript, C#, SQL, HTML, CSS
- Frameworks: Angular, React, Robot
- Version Control: Git
- Creative: Gimp, Figma, OBS, Godot, Unity

Productivity
- Collaboration: Jira, Trello, GitHub, Gitbucket, LucidChart, Slack, Discord, Webex

My Projects

Messaging/Chat Application
Technologies: Python, PostgreSQL, Academic, Solo
- Application that allows users to communicate with each other through "direct messages" and also in "group chats"
- Used Python and PostgreSQL to design a database and an API for storing and accessing messages and user information

E-Store Website
Technologies: Java, Angular, Academic, Team Project
- Full stack development of an e-store website selling limited supply of "bicycles" to multiple users
- Semester-spanning project that introduced me to the Angular framework

Comix
Technologies: Java, Academic, Team Project
- Application that allows users to search through an existing database of comic books and add them to their "collection". User can perform various functions to comics in their "collection"
- Use of several design patterns including "Command Pattern", "Decorator Pattern", etc.

Work Experience

Jr. Full Stack Developer (Co-Op) - Mindex
(May 2024 - December 2024)
- Refactor existing backend to utilize newly created API calls to decrease complexity
- Developed and integrated 2 new vital components for the frontend of our application
- Wrote and modified automated UI tests to ensure proper working order

Prepared Foods and Service Work - Wegmans Food Markets
(July 2022 - February 2023)
- Developed a strong understanding of food safety and kitchen management
- Learned valuable and effective teamwork strategies and communication skills