

Jarod Rowland

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OBJECTIVE

To obtain a co-op position in software development/computer science. Available May-December 2022.

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY – Rochester, NY

Bachelor of Science in Computer Science – Expected Graduation: May 2025

RELEVANT COURSEWORK –

- Analysis of Algorithms
- Principles of Data Management
- The Mechanics of Programming
- Computer Science Theory
- Computer Science 1 and 2
- Calculus Sequence (A, B, C)

TECHNICAL SKILLS

Programming Languages: Java, Python, C, SQL

Software: GitHub, Trello, PyCharm, IntelliJ IDEA, Google Drive, MS Office, Photoshop, Maya

Hardware: computer troubleshooting & building

Operating Systems: Windows, MacOS

Other Skills: graphic design, 3D design, writing/editing

PROJECTS

Breadth First Search Puzzle Solver – Academic

- Individually created a common BFS solver program to interpret and solve different puzzles in the least number of moves, including the water-bucket puzzle from *Die Hard* and the logic game *Rush Hour*. The *Rush Hour* portion was designed with a playable/solvable version in mind.
- Created separate plain-text UI and GUI (using JavaFX) graphical implementations for *Rush Hour* that use a common model, adhering to the model-view-controller design pattern.
- Written in Java using IntelliJ IDEA for the CS2 class, with the GitHub commit system used for updating.

Music Database Project – Academic

- Worked in a team of 4 to implement a basic Spotify-like DMBS with a plain-text UI where users could view albums and songs, play songs, and create collections. Teamwork was emphasized through communication, regular team meetings, and use of Trello and Github.
- Created using Java and SQL for the Principles of Data Management class as an introduction to the creation and implementation of database systems concepts in a team environment.

WORK EXPERIENCE

Troy Boiler Works, Troy NY

COVID-19 Sanitizer (Temporary) ----- June-August 2020

- Used cleaning chemicals, cleaning the work areas and office space.
- Took and recorded temperatures meticulously, logging them into a spreadsheet using Microsoft Excel.
- Worked with a supervisor to log out-of-office worker COVID temperature and sickness information.
- Digitized paper records and did odd tasks as requested.

Heldeberg Workshop, Voorheesville NY

Outdoor Education Intern ----- July-August 2019

- Worked for all six weeks of the summer camp, helping different instructors, and doing different tasks as requested.
- Took attendance and supervised children around the camp. (Elementary to Middle-School ages)

HOBBIES

- Playing D&D with friends
- Reading fiction (fantasy and sci-fi)
- Making digital art
- Playing videogames (strategy in particular)

MISCELLANEOUS FACTS

- Black belt in Taekwondo
- A triplet
- Marvel movie fan
- Co-founded high-school D&D club