Jarod Rowland

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Objective

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

Education

BACHELOR OF SCIENCE IN COMPUTER SCIENCE | ROCHESTER INSTITUTE OF TECHNOLOGY

· Expected Graduation: May 2025
· GPA: 3.26
· Minor: Web Development

Relevant coursework:

- o Intro to Software Engineering
- o Principles of Data Management
- o Mechanics of Programming
- o Analysis of Algorithms
- o Computer Science Theory
- o Computer Science 1 & 2

Technical Skills

· **Programming Languages**: Java, Python, C, SQL, HTML
· **Software:** Windows/MacOS, PyCharm/IntelliJ, VS Code, GitHub, MS Office
· **Miscellaneous:** Photoshop, Graphic Design, 3D Design, Writing/Editing, Computer Troubleshooting

Projects

BREADTH FIRST SEARCH PUZZLE SOLVER – ACADEMIC

· Implemented a generic Java-based puzzle solver following the breadth-first-search traversal algorithm
· Used model-view-controller (MVC) design pattern to implement a visual user interface (JavaFX) for player input in solving a puzzle, using the BFS algorithm to provide hints and next moves

MUSIC DATABASE MANAGEMENT SYSTEM – ACADEMIC

· Collaborated in a team to implement a basic Spotify database system with a plain-text UI
· Integrated a music dataset and created statistical user data using Java and SQL

Experience

COVID-19 SANITIZER | TROY BOILER WORKS | JUNE – AUGUST 2020

· Oversaw COVID-19 protocols and produced statistical illness spreadsheets for the company
· Digitized and reconciled paper records into an online format
· Oversaw inspection and sanitization of high-risk areas in office and workshop locations

OUTDOOR EDUCATION INTERN | HELDEBERG WORKSHOP | JULY – AUGUST 2019

· Served different instructors teaching various workshops with administrative tasks and organization
· Assisted in the supervision and care of elementary to middle school aged children

Honors and Awards

· Presidential Scholarship – RIT, 2020 – Present
· Dean's List – Fall 2020 Semester

Extracurricular Activities

· Co-founder and president of the D&D club – Clayton A Bouton High School
· Track and Cross-Country teams – Clayton A Bouton High School