ROMAN HUDAJ

BCompSc, University of Waterloo

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EDUCATION

SEP/20 - Present **BACHELOR OF COMPUTER SCIENCE**

University of Waterloo – WATERLOO, ON
- Current 3rd year student pursuing a Data-Science Specialization & Economics Minor
  - 85% cumulative average
  - Presidents Scholarship of Distinction for having a 98% average upon entrance
  - Relevant Courses: Software Development, Algorithms, Data Structures, Statistics, Probability, Graph Theory

EXPERIENCE

JAN/22 – AUG/22 **STUDENT ENGINEER**

Hydroform Solutions, Martinrea International – BRAMPTON, ON
- Implemented a High-Frequency Delivery System; a large project to automate the delivery of parts to work-stations
  - Used Python scripts to automate data collection from records/files to Excel help analyze the facility and plan the project
  - Coded VBA/Macros to automatically update detailed schedules and charts with new input data in real-time
  - Led meetings to present my work and timelines to other departments, corporate representatives and the General Manager
- Saved the company an estimated $11,000 annually by discovering and solving inefficiencies in a production-process
- Improved supply-chain issues with Excel Macros that automatically alerted managers about future supply and demand

SEP/17 – AUG/20 **CASHIER**

Cheese Boutique – TORONTO, ON
- Provided outstanding customer service across multiple departments such as checkout and deliveries

SEP/19 – AUG/20 **PATIENT SUPPOURT - VOLUNTEER**

UHN, WESTERN HOSPITAL – TORONTO, ON
- Acted as a liaison between patients/families and health professionals to keep all parties informed about concerns
- Assisted nurses to care for patients, and kept patients company to help lighten their day

PROJECTS

Dec/22 **CHESS**

C++ – School Project
- Implemented a graphic interface and AI capable of beating the average chess player using a minimax search algorithm
- Incorporated observer, decorator and polymorphic design patterns to maximize coupling and minimize cohesion of the code

Jan/23 **C - COMPILER**

C++ – School Project
- Developed a project that compiles C-code to MIPS assembly language through efficient scanning and parsing algorithms
- Used Linux tools, Valgrind/GDB to debug and bash scripts to automate testing to optimize performance

Aug/22 – Present **NOTE TAKING, WEB-APP**

React, MongoDB & Socket.io – Personal Project
- Recreated Microsoft Word as a web-app using React, JavaScript and HTML scripts and MongoDB for saving to a database
- Developing new features in the React-app to create an improved & versatile note-taking app for public use on the app-store

EXPERTISE

C++ (highly proficient)
Python
JavaScript, HTML, CSS
Git, Linux

SKILLS

Problem Solving
Analytical Thinking
Creativity
Teamwork

INTERESTS

Digital 3D-Art & Photography
https://www.instagram.com/rhudaj/
Mathematics
Regularly compete in mathematics competitions