ROMAN HUDAJ

CS Student ~ Software Developer

🌐 roman-hudaj.com   ✉ rhudaj@uwaterloo.ca

📞 647 502 0512   ⦿ github.com/rhudaj

📍 Toronto, Canada   in /in/rhudaj

SUMMARY

Dynamic Full Stack Developer showcasing robust software development skills in all parts of the technology stack, rapid adaptability to emerging technologies, and a keen aptitude for grasping intricate concepts.

SKILLS

Languages: Python, SQL, JavaScript, TS, HTML, C++, C

Technologies: React, NodeJS, Git, Alteryx, SQL Server, Postgres, Excel

EXPERIENCE

4/23 - 9/23   **Software Product Management Intern**   **Environics Analytics**

- Developed an automated pipeline with Alteryx and the API of an AI model to parse and translate data product documents and variable lists to French, resulting in savings of tens of thousands per product.
- Created a user-friendly app with Python/QT to extract client usage data of company products from databases; provided ease of data access and analysis by non-technical teams.
- Enhanced databases to monitor client usage of products/APIs to formulate an optimized product pricing strategy and ultimately increase profitability and user satisfaction.

```
SQL  /  Alteryx  /  Python  /  Agile (Scrum, Kanban)
```

1/22 - 8/22   **Student Engineer**   **Martinrea International**

- Spearheaded a major project to optimize the flow of materials across a large facility; improved system for collecting and analyzing data to plan the project; resulted in increased output and cost efficiency.
- Implemented a supply chain tracking system using SQL and advanced Excel for proactive identification of issues, enabling timely alerts to managers and achieving estimated $11,000 annual cost savings.
- Led cross-functional meetings to communicate project progress, timelines and outcomes to various departments and management.

```
SQL  /  Excel
```

PROJECTS

Python, SQL   **Database Interface App**   🔗

Created a efficient, user-friendly app to interact with a database featuring: Connection to any specified database via ODBC, dynamically generating intuitive UI for table selection and data filtering // real-time selection-based querying, efficiently handling millions of records via Pandas, optimized display algorithms and batch querying // thread and crash safe via multi-threading // MVC architecture.

Python, HTML   **Automated Job Applications**   🔗

Created an automated job application pipeline using Python, incorporating: selenium for web-scraping job-sites // extracting relevant data from the HTML of job postings into data structures with Pandas // connects to OpenAI model through API to detect and highlight keywords.

ReactJS, NodeJS   **Notes Web-App**   🔗

Developed a comprehensive note-taking web application using ReactJS integrated with MongoDB databases for efficient file storage in the backend. Researched and tested innovative features aimed at enhancing the user experience of the note-taking.

EDUCATION

9/20 - 12/24   **Computer Science, Honours**   **University of Waterloo**

- Pursuing Specialization in Software Engineering.
- Awards: Presidents Scholarship of Distinction, Dean's Honours List
- Course-Work: Object-Oriented Software Development, Database Design, UI Design, Web Development, Algorithms

INTERESTS

Personal   Digital Animation, Film-Making, Photography

Scholarly   Hackathons (Hack the North, GoldenHack), Math Competitions

Volunteering   UHN - Hospital Patient Support (2 years), Student Teacher (3 years)