Maya Saltzman

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TECHNICAL SKILLS

Languages and Frameworks: C, SQL, Java, Python, HTML/CSS, JavaScript, SQLite, JQuery

Development Tools: Visual Studio Code, Microsoft SQL Server Management Studio, Eclipse, Junit, Git, Jira, Docker, Linux

Other: Microsoft Office, Excel, Map Box, Slack, IBM Notes

PROJECTS

Molecule Manipulation Library | C, Python, SQLite, HTML/CSS, JavaScript, JQuery   **2023**
- Created a full stack web application that allows users to upload molecule data to a database and visualize them as SVG images
- Implemented the back-end library with C that interfaced with Python code through SWIG
- Programmed using Python to build the webserver for the application and interact with the SQLite database
- Developed the dynamic UI with JavaScript/JQuery that allowed the user to manipulate molecules

Tic Tac Toe Game Suite | Java   **2022**
- Programmed two different versions of Tic Tac Toe using a GUI and the Java Swing library
- Implemented unit testing with Junit test cases
- Displayed an understanding of object-oriented programming concepts like polymorphism and inheritance

Landscape Architecture Data Visualization Tool | JavaScript   **2022**
- Created two dynamic maps using JavaScript to track usage of Landscape Architecture Software
- Utilized the Map Box API to help visualize the maps

Twitter Clone | C   **2022**
- Created a program with the back-end functionality of Twitter
- Implemented features such a creating, deleting, searching, sorting, saving, and displaying tweets
- Demonstrated an understanding of linked lists, searching algorithms, and sorting algorithms in C

EDUCATION

University of Guelph   **Guelph, ON**
Bachelor of Computing, Computer Science Honors Co-op   *September 2021- present*
- Dean's List Honors for all terms
- Area of Application in Environmental Design
- Courses: Object Oriented Programming, Data Structures, Algorithms, Operating Systems, Software Systems Development, Calculus, Discrete Math, and Linear Algebra

LEADERSHIP EXPERIENCE

Guelph Coding Community   **University of Guelph, Guelph, ON**
President   *April 2023 – present*
- Delegates roles and responsibilities across seven team members while providing support
- Leads events and team meetings to ensure students can reach their full potential
- Coordinates finances and scheduling

Director of Events   *April 2022 – April 2023*
- Planned computer science related events for the University of Guelph
- Lead programming competitions, alumni talks, workshops, study support, and social opportunities
- Collaborated with a team of seven executive members, university staff, and industry professionals

Sex and Self   **University of Guelph, Guelph, ON**
University Representative   *September 2022 - present*

- Provides seminars, workshops, and resources related to sexual reproductive health and wellness
- Leads social media campaigns to promote initiatives
- Collaborates with a team of six to assist in event planning, promotional strategy, and marketing

WORK EXPERIENCE

Kenna   **Mississauga, ON**
Data Management Assistant Co-op   *April 2023 - present*
- Performs QA and software testing across five projects ensuring 99% accuracy
- Created a database dictionary with SQL queries to easily access datatypes and calculated fields
- Performs maintenance and updates on large datasets using SQL, IBM Notes, and Excel
- Leads employee access and territory updates so clients can use software in production