

Lazar Glumac

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SKILLS SUMMARY

- **Java:** Maven, RESTful services, Object-Orientated programming, data structures, software design patterns.
- **C:** C preprocessor, C compiler, C memory model, pointers, data structures, space and time efficiency.
- **UNIX:** Basic understanding of the UNIX system operation, shell scripting using “bash” and UNIX terminal.
- **Agile:** Scrum methodology, Iterative software design process, and JIRA tracking.
- **Version Control:** GIT Flow, and SVN (in multi team member projects).
- **NoSQL:** MongoDB, Neo4J, and Java/Python backend with RESTful services to interact with databases.

EDUCATION

Honours Bachelor of Science, Computer Science Software Engineering Specialist Co-op 2019 - present
University of Toronto Scarborough, Scarborough, ON

- **cGPA (Cumulative GPA):** 3.92/4.0
- **Awards:** 2019/2020 Dean's List, \$2000 Entrance Scholarship

WORK EXPERIENCE

Software Developer Intern

May 2021 – present

IBM Canada Ltd, Markham, ON

- Led team of 6 members to develop an AI driven hybrid cloud regulatory compliance assistance tool using Docker, OpenShift, Python (Flask), MongoDB and React.
- Utilized IBM AI tools including IBM Watson Discovery and open-source AI models (BERT, RoBERTa) for preprocessing of various raw data sources for regulatory driven machine learning.
- Coordinated back-end development team to develop RESTful python backend using Flask and MongoDB.

Teaching Assistant (MATA22/B24-Linear Algebra I/II, CSCB09-Systems Programming) January 2021 –present
University of Toronto Scarborough, Scarborough, ON

- Presented feedback to student problem set solutions, held tutorials, office hours, and created weekly quizzes and sample quiz solutions for MATA22 students.
- Facilitated open-ended learning discussions with MATB24 students by assigning tutorial questions and guiding learning by presenting sample solutions to questions students struggled with.
- Hosted labs for CSCB09 students where students asked questions about course content, issues with assigned labs, and assignment help sessions, all based in the C programming language.

PROJECTS

Sportcred Web Application

September 2020 – December 2020

University of Toronto Scarborough, Scarborough, ON

- Implemented and followed a strict Agile-Scrum software development process in a team of 7 members and 2 product owners alongside JIRA tracking.
- Developed a full stack web application using a React frontend, Java backend, and Neo4j database.
- Integrated a complete MVC architecture design using RESTful services to create accounts, play sports trivia/games, debate opinions, and a live chat system.

Java Unix-Style Shell

June 2020 – August 2020

University of Toronto Scarborough, Scarborough, ON

- Implemented and followed a strict Agile-Scrum software development process in a team of 4 members.
- Developed a working shell program equipped with a mock file-system including the capability to create files, file redirection, and over 20 UNIX shell commands.
- Embedded software design patterns into the project including the singleton design pattern and dependency injection pattern, as well as in depth JUnit testing for each command created.