

Jovan Milicev

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EDUCATION

York University

Honours BA, Computer Science

April 2023

Toronto, ON

- GPA: 3.8
- Data Structures and Algorithms, Computer Architecture, Advanced Object Oriented Programming, Distributed Systems, Database Management Systems, Computer Networking.

EXPERIENCE

Undergraduate Teaching Assistant

York University

September 2022 - January 2023

Toronto, ON

- Teaching assistant for EECS2021 (Computer Organization). Taught basics of assembly language programming in RISC-V and fundamentals of computer architecture in iVerilog.
- Facilitated a lab with over 50 students which included solving complex problems, grading assignments, etc. which resulted in an overall increase in the class average.
- Graded assignments and exams, providing detailed feedback to students to help them improve their performance and understanding of the course material.
- Provided one-on-one tutoring to students who needed extra help, resulting in increased confidence and better academic performance.

Customer Experience Associate

Scotiabank

April 2022 – Present

Mississauga, ON

- Maximized customer satisfaction by helping clients with their banking transactions with a high attention to detail; daily functions included creating bank drafts, mortgage payouts, loan payments, etc.
- Identified customer concerns and prioritize customer complaints to the management team to ensure compliance with bank's policy and improve the overall client experience.

PROJECTS

Distributed Go Chat Website | *Go, JS, Kubernetes*

April 2023

- Developed a chat-app with golang backend and javascript frontend using websockets
- Capable of sending timestamped messages that are stored on server, with additional feature of sending 'ephemeral' messages that are only broadcasted to clients and not stored on the server
- Built using Docker and deployed on a Kubernetes cluster using a private goHarbour repository

Novel Programming Language | *ANTLR4, Java*

November 2022 - January 2023

- Developed a novel programming language using the ANTLR4 parser and Java
- Language capable of performing variable declarations, assignment, math operations and boolean operations
- Language also capable of correctly executing n-nested if statements, recursion, and function calls
- Includes a simplified JUnit style test suite with branch coverage and other testing statistics

Poker | *Java, Swing*

April 2021

- Developed a swing-based poker using object oriented principles
- Designed efficient algorithms on back-end for hand evaluation
- Implemented AI players who play uniquely based on randomly generated personality traits

Gaming Website | *NodeJS, Express, Passport*

April 2021

- Express website with multiple functions and pages
- Implements encryption-based login system to authenticate users and personalize accordingly
- Contains simple games coded in JavaScript such as Tic Tac Toe

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, GO, RISC-V

Competencies: React, RESTful API, Express, Django, GitHub, NodeJS, Docker, Kubernetes, Swing, Express, Spark