Maor Gornic

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EDUCATION

Honours Bachelors of Science: Computer Science (HBSc)   University of Toronto
Dean's Honours List, Summer 2021 & Honour Roll 2021-2022   *Sep. 2019 – June 2023*
CGPA: 3.94 / 4.0

EXPERIENCE

Computer Science Teaching Assistant   Jan. 2022 – Present
University of Toronto
- Ran labs, hosted office hours and helped students complete programming tasks in C and SQL
- Taught students operating systems and system programming concepts, including Bash, C, Makefiles, and Sockets
- Created slides for labs guiding students how to tackle various tasks

Web Developer   May. 2022 – Sep. 2022
University of Toronto
- Added a module to support new type of questions to PCRS, which is an online programming exercises website, in order to allow instructors to create Java questions that utilize JDBC
- Integrated JDBC to PCRS in order to allow Java to directly communicate with PostgreSQL databases
- Implemented a smart question score system that checks for similarity percentages between instructor solutions and student submissions

Software Developer   Feb. 2019 – Aug. 2019
Halton District School Board
- Created a Desktop Java-based application that allowed my co-workers to easily write scripts without any programming knowledge, and helped them automate data entry and daily encountered tasks with an ease.

PROJECTS

Distributed Key-Value Storage Service | *Go, Raft, Bash, Git*
- Applied fault tolerance techniques using **Raft** to make this service capable of withstanding possible failures
- Made extensive use of synchronization primitives efficiently and effectively in **Go**
- Integrated linearizability to ensure that the service is consistent at all times

StudyTogether | *MongoDB, Express.js, React, Node.js, Jira, Chakra UI, Firebase, Git*
- Developed an application that facilitates the process of forming study groups at schools
- Communicated with a team of 5 developers using Agile methodologies
- Implemented backend API endpoints in **TypeScript** and **Express.js**
- Built user interfaces using **React**

Restify | *Python, Django, React, CSS, HTML, Bootstrap, SQLite, Bash, Git*
- Developed a restaurant social media platform
- Communicated with a team of 3 developers using Agile methodologies
- Implemented backend API endpoints in **Django**
- Implemented a frontend user interface using **React**, **JavaScript**, **CSS**, and **Bootstrap**

iFocused | *Java, CSS, JavaFx, C, JNI, Git, Bash*
- Developed a **Cross Platform** Anti Procrastination App in **Java**
- Created a background **Daemon** server to communicate with the main application through **TCP sockets**
- Wrote a website-blocking **C** component to modify a user's host file and integrated the component using the Java Native Interface (JNI)
- Implemented a **multi-threaded** process-blocking algorithm using **Bash** commands

TECHNICAL SKILLS

Languages: Java, Python, C, C#, HTML/CSS, JavaScript, TypeScript, Bash, SQL, Haskell, Racket, Go
Frameworks: React, Node.js, Django, jQuery, Express.js, JavaFX, Django, Flask, AWS
Developer Tools: Git, Docker, VS Code, PyCharm, IntelliJ, Eclipse, Microsoft Visual Studio
Databases: Neo4j, PostgreSQL, MongoDB, SQLite, Redis, Cassandra, DynamoDB
Libraries: Selenium, Tesseract OCR