Saleen Shahriar

2B Computer Engineering @ University of Waterloo
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Education
UNIVERSITY OF WATERLOO | HONORS BACHELOR OF APPLIED SCIENCE (COMPUTER ENGINEERING)
- **Achievements:** President's Scholarship, Dean's Honours List (2022), Top Quartile
- **Courses:** Data Structures and Algorithms (89%), Systems Programming and Concurrency (95%), Digital Circuits and Systems (94%), Embedded Microprocessor Systems (92%)

Skills
- **Languages:** Java, C, C++, Python, SQL, VHDL, Verilog, JavaScript, HTML/CSS
- **Technologies:** Spring, Django, Express, Flask, MongoDB, Vue, React, GCP/AWS, Cordova, Tableau, NumPy, Pandas, Git, Jira

Experience
FORD AV | SOFTWARE ENGINEERING INTERN | JAN 2022 – PRESENT
- Developed full-stack fleet management applications using Vue, Spring/Java, SQL
- Participated in API design and specification meetings with third-party service providers
- Experimented with the use of Google Cloud Platform in creating reliable and scalable applications
- Competed in the Ford Pro Hackathon, exploring serverless applications on GCP

RICOH | SOFTWARE ENGINEERING INTERN | MAY 2021 – AUG 2021
- Pioneered the design and creation of a network device locator using Java, SNMP, and REST APIs
- Integrated its use with Ricoh's Streamline NX device management platform
- Created documentation for specifications, limitations, and the instructions for the use of the program
- Developed and specified test cases for QA and testing

SEISMIC LIVESOCIAL | SOFTWARE ENGINEERING INTERN | SEP 2020 – DEC 2020
- Worked in an Agile team to deliver and develop features for a cross-platform, full-stack React/Express app
- Created an internal app distribution site using Angular
- Created, visualized, and refactored queries and reports using MongoDB and Redash
- Documented and experimented with the use of BlackBerry Dynamics and Cordova to build password-secured mobile applications for corporate clients
- Automated UI tests using Selenium WebDriver

IESO | SYSTEMS ANALYST INTERN | JAN 2020 – APR 2020
- Built queries using SQL, Tableau Prep, and created metrics dashboards for reports on Tableau
- Created automated reports using VBA scripts, Excel, and macros for previously manual reports
- Analyzed and assessed power grid compliance events across Ontario

Projects
- **Sentiment Classifier:** NLP, Python, Flask, scikit-learn, NumPy, Pandas, matplotlib
- **Home Security System:** C, Proteus, PCB/Circuit Design, Microcontrollers
- **Multithreaded Web-Crawler:** C, cURL, pthreads, libxml2, HTTP
- **Multithreaded vs Multi-process PNG Retriever and Concatenator:** C, cURL, pthreads, shared memory, IPC, PNGs
- **Minimum Spanning Tree Finder:** C++, Graphs, Prim's Algorithm
- **Trie Dictionary/Autocomplete Tool:** C++, Tries
- **Classroom Mark Manager/Visualizer:** Java, Swing GUI, MVC