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Education

Ryerson University Toronto, Ontario

BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING (SOFTWARE ENGINEERING OPTION) (4.14 / 4.33 CGPA)

Expected May 2022

• Relevant Courses: Data Structures, Algorithms, Database Systems, Microprocessor Systems, Object Oriented Programming, Digital Systems

Skills

Programming Languages JavaScript, C++, C, Java, Python, SQL, VHDL

Databases & Libraries Apache Cassandra, Redis, MS SQL, Firebase, React, Express **Tools & Platforms** Git, Docker, Node.js, Google Cloud Platform, DigitalOcean

Work Experience

Royal Bank of Canada Toronto, Ontario

Quality Engineer Intern, Data Centre Infrastructure & Strategy

May 2020 - Aug 2020

- Reduced the time spent on manual QA regression testing for Angular applications by 83% through implementation of an automated testing suite in JavaScript and Jasmine Test Framework.
- Decreased the turnaround time for system upgrades from 1 week to 2 days through an initiative to automate work and improve processes.
- Collaborated with an Agile team of 6 through daily stand-ups, sprints, and requirement gathering with product owners and software developers.

Loadlink Technologies

Mississauga, Ontario

SOFTWARE DEVELOPER INTERN, OPERATIONS

- May 2019 Aug 2019
- Architected and implemented a REST API for integration between Salesforce and MS SQL which reduced customer wait times by 5 minutes.
 Developed and deployed Salesforce applications (JavaScript) to be used by 20 customer service representatives which improved their workflow
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 efficiency, allowed better insight into the team's productivity, and ultimately reduced the average ticket backlog by 12%.
- Orchestrated the process of subscribing, upgrading, and removing customer subscriptions using Salesforce process builder, triggers, and scheduled jobs to eliminate mistakes and save time.

Projects

Ocurl Link Tool (https://ocurl.io)

Node.js | Express | Apache Cassandra | Redis | Docker

- Created a free REST API for getting and decoding shortened URLs. 10+ daily active users. Also available as Discord Bot and Chrome Extension.
- Built and deployed overall service architecture with a focus on scalability using Docker, DigitalOcean, Compute Engine, and Stackdriver.

ESP32 HomeKit Compatible LED Controller

ESP32 MICROCONTROLLER | C | FREERTOS | HOMEBRIDGE

- Utilized the ESP32 microcontroller to convert a device to be HomeKit compatible using the HomeBridge emulator API. Interfaced communications between the controller and base station by developing a RESTful API server, and using the ESP32 WiFI module.
- · Learned real-time operating system programming concepts such as tasks, events groups, and semaphores using FreeRTOS in C.

Mental Health Chatbot Messaging Server - UofT Hacks 2019

PYTHON | FLASK | WEBSOCKET PROTOCOL | FIREBASE

• Prototyped and presented a full stack application for mental health support and advocacy. Back end performed sentiment analysis using data from 100+ threads and 400+ comments scraped off of Reddit.com using the Python Reddit API Wrapper.

Weather Forecasting Model

PYTHON | PANDAS | SCIKIT-LEARN | SEABORN | FB PROPHET

- Cleaned up, visualized, and transformed a time series dataset in Python, Pandas, and seaborn.
- · Trained a model with data from Kaggle yielding a 78% accuracy using Facebook Prophet, and published a tutorial on GitHub.

Leadership and Volunteering ____

Ryerson Artificial Intelligence

WEB DEVELOPER (HTTPS://RYERSONAI.CA)

Sep 2019 - Present

· Full stack developer responsible for the end-to-end development and deployment of the team's website using React and Netlify.

Open Source Community

CONTRIBUTOR | NETLIFY CMS | MATERIAL UI

Mar 2018 – Present

· Collaborated with maintainers and community to develop new features. Accepted pull requests to Netlify CMS, Material UI.