Nathan Cheung

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SKILLS

Python, JavaScript, HTML, CSS, Java, C, SQL, Dart
Git, Node.js, React, Docker, AWS, Flask, MongoDB, JIRA, CI/CD Pipelines, Flutter

EDUCATION

Ryerson University
Bachelor of Engineering in Software Engineering *Exp. Apr 2022*
Dean's List, 2018 - 2020 *CGPA: 3.82*

EXPERIENCE

Software Engineer Intern
IBM Canada *May 2020 - Present*
- Developed a web interface for the IBM mainframe using **React, Flask,** and **REST APIs**
- Built a data scraping Slack Bot using **Python, Selenium Webdriver,** and Slack API
- Automated an internal metrics process using **Node.js, Express.js,** and **Bootstrap** to improve data analytics
- Integrated and deployed all applications using **CI/CD pipelines** and **Docker containers**

Customer Experience Associate
TD Canada Trust *Aug 2019 - Apr 2020*
- Performed high-volume customer transactions that range up to $3,000,000
- Granted responsibility to secure-desk and bank vault combinations for opening and closing
- Completed security procedures for all bank transactions to prevent identity theft, money laundering, and fraud

University Mathematics Tutor
Self-Employed *Sep 2018 - Apr 2020*
- Increased GPA of two university students by *30%* in Engineering Economics
- Obtained *95%* in Advanced Functions and Calculus for four 12th grade students

PROJECTS

Vidshare.ca - Node.js
- Created a website to watch Youtube videos together
- Synchronized user activity using **WebSockets, Youtube API,** and **Express.js** as a back-end
- Designed front-end UI with vanilla **HTML, CSS, JavaScript,** and **Bootstrap**

Classifieds Scraper - Python
- Developed a python script to identify high-margin listings and notify user via email
- Utilized **Beautiful Soup** and **Pandas** to scrape listings and store data dynamically
- Automated using an **AWS EC2** instance with **cron** jobs

Stock Portfolio - Node.js
- Developed an interactive website with authentication to track my personal stock portfolio
- Handled periodic data retrieval using **MongoDB** & **AWS Lambda** functions, and account authentication using **OAuth 2.0** & **JSON Web Tokens**

Sudoku Solver - Python
- Built a Sudoku Solver program with algorithmic visualization
- Implemented backtracking algorithm to solve Sudoku puzzles with **pygame** as the UI

ACHIEVEMENTS

IBM Intern Hackathon - 4th place
- Designed a **CRUD** app using **Firebase** that removes bias in the job hiring process
- Utilized **Natural Language Processing** to identify and remove discriminable information with a *91%* success rate