

Joshua Pow

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EDUCATION

University Of Toronto

Bachelor of Science in Computer Engineering, Minor in Business

Toronto, ON

Sept. 2019 – Current

EXPERIENCE

Volunteer Full Stack Developer

You're Next Career Network

May 2023 – Present

Toronto, ON

- Creating an interactive map with [React Spring](#) and [@use-gesture](#)

Full Stack Developer

Nuclear Promise X

May 2023 – August 2023

Toronto, ON

- Developing a delivery management system using NextJS and ExpressJS
- Implemented an interactive calendar using TypeScript and PostgreSQL
- Created an email dispatcher using TypeScript and Azure Communication Services

Quantitative and Technology Services Full Stack Developer

RBC Capital Markets

Sep. 2022 – April 2023

Toronto, ON

- Maintained an internal Data Fabrication portal using ReactJS and Flask
- Overhauled a data set environment promotion workflow using JavaScript and Redux to increase efficiency by 800%
- Refined front end using ReactJS and Material UI resulting in 200% developer productivity

Equities Full Stack Developer

Citi Bank

May 2022 – August 2022

Mississauga, ON

- Developed a UI to interact with Oracle database using Flask, Spring and ReactJS saving 50% development time
- Eliminated incorrect database entries and retroactively fixed them using Python
- Automated a linter for our data using Pandas and Python which 200% the applications up time
- Simplified stored procedures and queries using Python and SQL

Quantitative and Technology Services Full Stack Developer

RBC Capital Markets

May 2021 – August 2021

Toronto, ON

- Optimized a C++ bond parser by 200%
- Sorted and itemized bonds using Python
- Deployed a UI to search and sort a directory of 500+ live log files using ReactJS and Python

PROJECTS

Monocle | *Python, Flask, Javascript, React, Firebase*

Nov. 2021

- Full-stack hackathon web application using Flask, ReactJS and Firebase built in 24 hours that won 2nd
- Web scraped privacy policies to highlight important points using Python and ReactJS
- Parsed and analyzed 1,000+ PDFs to generate common keywords using Python and Firebase
- Visualized parsed policy using Material UI

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, C/C++, SQL (Postgres)

Frameworks: ReactJS, NextJS, Flask, Django, Material-UI, TailWind

Developer Tools: Git, Docker, Azure, FireBase, SupaBase