

NEEL ISMAIL

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EDUCATION

University of Waterloo

Candidate for Honours Bachelor of Computer Science

Waterloo, ON

Expected May 2024

Relevant Coursework: Data Structures, Algorithm Design, Object-Oriented Programming, Calculus (I, II), Linear Algebra, Statistics

Awards: President's Scholarship of Distinction, President's Academic Honour Roll

Community Involvement: Men's Varsity Squash Team (Ontario University Athletics Silver Medalist Team)

SKILLS

Programming Languages: JavaScript, Python, C++, Java, SQL, HTML, CSS

Frameworks/Databases: React/React Native, Redux, Node.js, Express.js, MongoDB, PostgreSQL, Selenium, Git

WORK EXPERIENCE

RBC Capital Markets, Incoming Software Engineer Intern

September 2021 - December 2021

- Quantitative & Technology Services Team

Fidelity Investments, Software Engineer Intern

January 2021 - April 2021

Java, Spring, JavaScript, JQuery

- Responsible for redesign and redevelopment of tax statement generation page on tool used by 1000+ financial advisor clients
- Revamped frontend design and backend logic using Java to reduce required clicks for retrieving statements from 9 to 2
- Redesigned fund information webpages with 5000 unique weekly visitors using JavaScript and JQuery to include updated performance charts and disclaimers ahead of ETF stock split

Fidelity Investments, QA Automation Engineer Intern

May 2020 - August 2020

Java, Groovy, Selenium, Katalon

- Automated UI testing for trade processing tool used daily by 100+ employees, which reduced testing time for tool by 85%
- Developed automated regression tests using Java for tool used by 1000+ advisor clients to validate fund exchanges, which revealed inaccuracies in logic for 25% of transaction types and prompted development team to implement required updates

PERSONAL PROJECTS

OrderBud, React Native, Redux, Express, Node, MongoDB

- Built prototype of marketplace app for iOS & Android that enables users to discover and transact with local businesses
- Architected in-app social network to allow users to share and recommend businesses and products with friends
- Implemented multiple user roles to allow store owners to manage store profiles, update inventories, and track sales
- Utilized the Google Distance Matrix API and Google Places API to serve geographically relevant businesses to users

Flashback, React, Express, Node, PostgreSQL

- Developed photo repository that enables users to upload collections of memories and tag them with relevant details
- Photo tagging powered search-rank algorithm that facilitated natural language searching of memories
- Enabled users to perform CRUD operations on uploads and implemented JWT authorization to secure access to APIs

Settlers of Catan, C++

- Built Catan by employing OOP principles such as inheritance, polymorphism, abstraction, and encapsulation and implemented an Observer design pattern

HONOURS & INTERESTS

Honours: OUA Varsity Squash **Rookie of the Year** (2020), **Member of Team Canada** at Pan-American Junior Squash Championships (2019), **Double Medalist** at Canada Winter Games (Individual & Team Squash Events) (2019)

Interests: Music Production, Saxophone, Travelling, NBA Basketball