

Neel Ismail

Computer Science at University of Waterloo

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EDUCATION

University of Waterloo | Bachelor's Degree, Computer Science

Sept 2019 - Apr 2024

- Relevant Coursework: Algorithm Design, Data Structures, Object-Oriented Programming, Operating Systems

SKILLS

Programming Languages: TypeScript, JavaScript, C++, C#, Swift, Java, SQL, HTML, CSS

Tools & Frameworks: React, React Native, Node.js, .NET, MongoDB, PostgreSQL, AWS, Firebase, Docker, Git

EXPERIENCE

RBC Capital Markets | Software Engineer Intern

Sept 2021 - Dec 2021

- Responsible for **end-to-end redevelopment** of legacy application used to monitor transactions to 6 database tables
- Built a modern **React** web client using hooks and reusable functional components **improving page load times by 3x**
- Created **10+ REST APIs** using **C#** and **.NET** supporting retrieval of transaction metadata and creation of data audits

Fidelity Investments | Software Engineer Intern

Jan 2021 - Apr 2021

- Owned redevelopment of tax statement generation tool used by **10,000+** financial advisors across Canada
- Streamlined frontend design using **JavaScript** to reduce required clicks for retrieving statements from **9 to 2**
- Refactored **Java Spring MVC** controller logic to support new user inputs, reducing invalid entries by **100%**

Fidelity Investments | QA Automation Engineer Intern

May 2020 - Aug 2020

- Developed automated regression tests for application used by **10,000+** financial advisors using **Java** and **Selenium**
- Increased test coverage for application from **0% to 100%** and saved **3+** hours in manual testing every week
- Communicated with multiple stakeholders to understand application requirements and design expansive test cases

COMMUNITY INVOLVEMENT

UW Blueprint | Software Developer

Sept 2021 - Present

- Co-developed a program registration platform for a non-profit organization using **TypeScript**, **Next.js**, and **PostgreSQL**
- Application will support **~1000** program participants and volunteers every quarter upon release in January 2022

Men's Varsity Squash Team | Varsity Athlete

Sept 2019 - Present

- Commit 15+ hours a week to training and competition as a starter on **OUA Championships Silver Medalist team**
- Individually have been awarded **OUA Rookie of the Year** and have amassed a **16-1** record over 2 years of competition

PROJECTS

Drip Locker | React Native, Redux, Node.js, MongoDB, AWS (Lambda, API Gateway, S3)

- Deployed to the App Store a social media app that allows users to share pictures of purchases with friends

OrderBud | React Native, Redux, Express.js, Node.js, MongoDB, Google Maps API

- Built prototype of mobile marketplace app that enables users to discover and transact with local businesses

Real-Time Chat App | Swift, UIKit, Firebase (Firestore, Real-time database)

- Developed a real-time messaging app capable of sending text messages, photos, and videos