

# Navinn Ravindaran

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## EDUCATION

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### University of Toronto

Honours Bachelor of Science, Computer Science & Statistics Co-op

Toronto, ON

Sept 2019 — Apr 2023

**Cumulative GPA:** 3.58 / 4.00 — Dean's List of Academic Excellence, UofT Scholar (\$7500)

**Teaching Assistant:** Software Design (CSCB07)

## SKILLS

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**Languages:** TypeScript, JavaScript, HTML, CSS, Java, Python, Ruby, SQL, C, Shell

**Frameworks & Tools:** React, Angular, Node.js, Ruby on Rails, Docker, Jira, MongoDB, PostgreSQL, Firebase

**Concepts:** APIs (REST, GraphQL), Agile Methodologies (Scrum, Kanban), Test Driven Development, CI/CD

## EXPERIENCE

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### Royal Bank of Canada | Full-Stack Software Developer Co-op

Jan 2022 — Apr 2022

- Incoming Winter 2022 Co-op — OMNI Technology & Operations

### Major League Hacking | Open Source Fellow

Jun 2021 — Aug 2021

- Selected as one of **30** fellows from over **5000+** international applicants, under the guidance of MLH mentors and coaches
- Implemented and demoed Git merge conflict resolution in the Jupyterlab IDE using React, TypeScript and Python, allowing data scientists to preview and fix Jupyter Notebook conflicts without a terminal

### Halo Science | Full-Stack Software Engineer Intern

May 2021 — Aug 2021

- Eliminated redundant manual user tests by creating an end-to-end automation suite with Jest and Playwright
- Reduced developer setup from **2 hours** to **10 minutes** by dockerizing the React and Rails codebase with Docker Compose
- Built a **33%** faster database seeding script with auto-generated data using Faker, replacing outdated migration scripts

### CaseWare International | Software Developer Co-op

Sept 2020 — Apr 2021

- Decreased developer & QA regression efforts by **60%** by converting manual tests to unit tests with Karma and Jasmine
- Refactored **700+** lines of legacy AngularJS plugins to Angular, improving code modularity using dependency injection
- Developed the foundation of an audit trail used by **130+** international accounting firms, preventing asset misappropriation

## PROJECTS

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### UImpactify

(Website) (GitHub)

- An online learning and crowdfunding platform to provide accessible specialized education in the social purpose sector
- Spearheaded the design and development of course creation, realtime chat, assessment analytics and donation systems to effectively engage student and instructor collaboration
- **Technology:** MongoDB, Express.js, Angular, Node.js

### Noten

(Google Play Store) (GitHub)

- A grade tracker with **80+** installs featuring multi-semester management, multiple grade scales, grade prediction, and selective course + grade calculation
- **Technology:** Ionic, React, TypeScript, Firebase Realtime Database + Authentication

### Spotify API Clone

(Documentation) (GitHub)

- A microservices REST API backend to create and follow user profiles, upload and like songs, generate and query playlists
- **Technology:** Java, Spring Boot, MongoDB, Neo4j