

# Navinn Ravindaran

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## EDUCATION

### University of Toronto

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

Toronto, ON

Sep 2019 — Apr 2023 (Expected)

**Cumulative GPA:** 3.77 / 4.00

**Notable Courses:** Software Design, Software Engineering, Programming Languages, Software Tools and Systems Programming

**Awards:** *Dean's List of Academic Excellence (2019-20), University of Toronto Scholar (\$7500)*

## SKILLS

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

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

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

## EXPERIENCES

### Major League Hacking

MLH Fellowship — Open Source Track

Remote

Jun 2021 — Aug 2021

- Summer 2021 Fellow — Contributing to the open source JupyterLab project using **React**, **TypeScript** and **Python**

### Halo Science

Full-Stack Software Engineer Intern

Chicago, IL

May 2021 — Aug 2021

- Reduced developer environment setup by **80%** by containerizing the app with **Docker** and **Docker Compose**
- Eliminated repetitive manual tests by spearheading the creation of an **E2E automation suite** with **Jest** and **Playwright**
- Built a database seeding script with auto-generated data using **Faker** and **Ruby**, replacing outdated migration scripts
- Developed core features using **React**, **Ruby on Rails**, and **PostgreSQL**, used by industry leaders including **P&G** and **Pfizer**

### CaseWare International

Front-End Software Developer Co-op

Toronto, ON

Sep 2020 — Apr 2021

- Facilitated **Daily Standup** meetings using multiple **JIRA** project boards in an **Agile Scrum** of **12** members
- Decreased developer & QA regression efforts by **60%** by converting manual tests to unit tests with **Karma** and **Jasmine**
- Developed major features and critical hotfixes using **Angular** and **AngularJS**, improving the end-user experience for **130+** international accounting firms

## PROJECTS

### UImpactify — Online Learning Platform

(Website) (GitHub)

- Developed in an Agile Scrum of **7** over **4** sprints to combat the lack of specialized education in the social purpose sector
- **Core Features:** Courses, Lectures & Assessments, Analytics, Realtime Chat, Volunteer & Employment, Donation System
- **Technology:** MongoDB, Express.js, Angular, Node.js, Socket.io, Chart.js, Multer, GridFS, Heroku, Figma, JIRA

### Noten — Grade Management App (75+ Installs)

(Google Play Store) (GitHub)

- **Core Features:** Semester & Course Management, Grade Prediction, Multiple Grade Scales, Selective Grade Calculation
- **Technology:** Ionic, React, TypeScript, Firebase Realtime Database, Firebase Authentication with Google OAuth 2.0

### Spotify API Clone — Social-centric Music Player REST API

(Documentation) (GitHub)

- **Core Features:** Create and follow user profiles, Upload and like songs, Playlist generation, Query liked songs from followers
- **Technology:** Java, Spring Boot, MongoDB, Neo4j, Microservices Architecture