





# Navinn Ravindaran

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 navn.me  navn-r  navn-r

## EDUCATION

### University of Toronto

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

Toronto, ON  
Sep 2019 — Apr 2023

**Cumulative GPA:** 3.58 / 4.00

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

**Awards:** *Dean's List of Academic Excellence, 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

Open Source Fellow

Remote, N.A.  
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

Chicago, IL  
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- Built a **33%** faster database seeding script with **auto-generated data** using **Faker**, replacing outdated migration scripts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

Toronto, ON  
Sep 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

### 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, WebSockets, Heroku, Figma, JIRA

### Noten

(Google Play Store) (GitHub)

- An open source grade tracker app with **75+ installs** featuring multi-semester management, grade prediction, multiple grade scales, 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