





# 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

**Cumulative GPA:** 3.53 / 4.00 — Dean's List of Academic Excellence, UofT Scholar (\$7500)

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

Toronto, ON

Sept 2019 — Apr 2024

## SKILLS

**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, DBMS, CI/CD

## EXPERIENCE

### HubSpot | Software Engineer Co-op

Aug 2022 — Dec 2022

- Currently building internal infrastructure tools for product-facing frontend engineers using React and TypeScript

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

Jan 2022 — Apr 2022

- Leveraged Google Analytics to track and optimise crucial user interactions for over **35+** client and advisor events
- Developed unit and integration tests using Jest, JUnit and Mockito, maintaining code compatibility with **97%** coverage
- Expanded access to new French and Bilingual mortgage clients by implementing automated language preference with app-wide translations using Angular and Spring boot

### 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

- Pioneered an E2E automation pipeline with Jest, Playwright and GitHub Actions, eliminating redundant manual user tests
- 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- Built a **33%** faster database seeding script with auto-generated data using Ruby, replacing outdated migration scripts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

### DrawHub

(Website) (GitHub)

- A realtime collaborative whiteboard platform featuring custom visibility, email notifications, and exportable canvasses
- Technology:** React, NestJS, WebSockets, GraphQL, MongoDB, Redis, Auth0, AWS S3, Kubernetes, DigitalOcean

### Noten

(Google Play Store) (GitHub)

- A grade tracker with **100+** installs featuring multi-semester management, multiple grade scales, grade prediction, and selective course + grade calculation
- Technology:** Ionic, React, TypeScript, Firebase Realtime Database + Authentication