

Navinn Ravindaran

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EDUCATION

University of Toronto

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

Cumulative GPA: 3.29 — Dean's List, UofT Scholar

Teaching Assistant: Software Design (CSCB07), Programming on the Web (CSCC09)

Toronto, ON

Apr 2024 (Expected)

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

- Leveraged the internal TypeScript type checker to build a VSCode extension that shows the full type introspection for a symbol, eliminating the need to manually traverse multiple locations for nested type definitions
- Implemented the ability to re-run migrations against **1000+** front-end repositories using React and Redux, removing redundant duplication of settings to streamline core infrastructure workflows
- Extended a project generator CLI to support automated code refactoring scripts using Node and TypeScript, enabling all HubSpot FE developers to build code mods using the TypeScript abstract syntax tree

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

Jan 2022 — Apr 2022

- Optimised **35+** crucial user interactions by leveraging Google Analytics to streamline the mortgage application process
- Expanded access to new French and Bilingual mortgage clients by implementing automated language preference with app-wide translations using Angular and Spring boot

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- Built a **33%** faster database seeding script with auto-generated data using Ruby, replacing outdated migration scripts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 an audit trail function used by **130+** international accounting firms, minimizing problematic behaviors such as asset misappropriation and protecting clients by providing transaction history

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