Navinn Ravindaran

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navn.me   navn-r   navn-r

EDUCATION

University of Toronto   Toronto, ON
Honours Bachelor of Science, Computer Science & Statistics Co-op   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

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

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- Built a **33%** faster database seeding script with auto-generated data using Ruby, replacing outdated migration scripts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

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