Navinn Ravindaran

navinn.ravindaran@mail.utoronto.ca

navn.me   navn-r   navn-r

EDUCATION
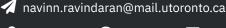
University of Toronto   Toronto, ON
Honours Bachelor of Science, Computer Science & Statistics Co-op   Sep 2019 — Apr 2023 (Expected)
Cumulative GPA: 3.77 / 4.00
Notable Courses: Software Design, Software Engineering, Programming Languages, Software Tools and Systems Programming
Awards: *Dean's List of Academic Excellence (2019-20), University of Toronto Scholar ($7500)*

SKILLS

Languages: TypeScript, JavaScript, Java, HTML, CSS, C, Python, SQL, Shell
Frameworks & Tools: React, React Native, Angular, Node.js, Express.js, JIRA, GitHub Actions, TravisCI, MongoDB, Firebase
Concepts: APIs (REST, GraphQL), Agile Methodologies (Scrum, Kanban, Test Driven Development), CI/CD

EXPERIENCES

Major League Hacking   Remote
MLH Fellowship — Open Source Track   Jun 2021 — Aug 2021
- Summer 2021 fellow — Contributing to open source software using **TypeScript** and **JavaScript**

Halo   Chicago, IL
Full-Stack Software Engineer Intern   May 2021 — Aug 2021
- Developing a marketplace connecting scientists to funding and research opportunities using **React** and **Ruby on Rails**

CaseWare International   Toronto, ON
Front-End Software Developer Co-op   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**, **Jest** 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**)
- Engaged in an Agile Scrum of **7** over **4** sprints, battling the lack of specialized education in the social purpose sector
- Developed and deployed a **Discord Bot** to supplement Daily Standup meetings, reducing overall time by **50%**
- **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 — Cloud Based Grade Management Application   (**Google Play Store**) (**GitHub**)
- Implemented a flattened data store, resulting in **4x** fewer database queries on all **CRUD** operations on grades
- **Core Features:** Semester & Course Management, Grade Prediction, Multiple Grade Scales, Selective Course & Grade Calculation
- **Technology:** React Native, Firebase Realtime Database, Firebase Authentication with Google OAuth 2.0

Ritrovo — Full-Stack Social Platform   (**Website**) (**GitHub**)
- Built an authenticated **GraphQL API** and community dashboard for creating posts and collaborating with users
- Eliminated code duplication by **3x** using **auto generated** schemas for database models, API queries and TypeScript interfaces
- **Technology:** React, Next.js, TypeScript, Apollo, MongoDB, Mongoose, JSON Web Tokens, Vercel

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