Navinn Ravindaran

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EDUCATION

University of Toronto   Toronto, ON
Honours Bachelor of Science, Computer Science & Statistics Co-op   Sep 2019 — Apr 2023 (Expected)
Cumulative GPA: 3.78 / 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

Programming: HTML, CSS, TypeScript, JavaScript, Java, C, Python, Shell, LaTeX
Frameworks and Tools: Angular, React, React Native, Node.js, Express.js, JIRA, GitHub Actions, TravisCI, MongoDB, Firebase
Development Methodologies: Agile Scrum, Agile Kanban, Test Driven Development

WORK EXPERIENCE

CaseWare International Inc.   Toronto, ON
Software Developer Co-op   Sep 2020 — Apr 2021
- Active contributor in an **Agile Scrum** of **11** members, closely collaborating with developers, manual & automation QA and product owners
- Facilitated **Daily Standup** meetings using various Sprint, Regression, and On Call **Jira** Boards
- Decreased developer & QA regression efforts by **60%** by converting manual tests to unit tests with **Karma, Jasmine** and **TypeScript**
- Developed major features and hotfixes using **Angular, AngularJS, RxJS** and **NGXS** improving the end-user experience for **60+** international distributors

PROJECTS

UImpactify — Online Learning Platform   (**Website**) (**GitHub**)
- Engaged in an Agile Scrum of **7** members over **4** sprints, specializing in education for the social purpose sector
- Facilitated Daily Standup, Backlog Refinement, and Architecture Design meetings **following best Agile practices**
- Developed and deployed a **Discord Bot** to supplement Daily Standup meetings, reducing overall time by **50%**
- **Core Features:** Course Enrollment, Lectures & Assessments, Student Analytics, Course Surveys, Realtime Chat, Volunteer Opportunities, Donation System
- **Technology:** MongoDB, Express.js, Angular, Node.js, Clarity Design, Socket.io, Chart.js, Multer, GridFS, Figma, JIRA

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

Ritrovo — Full-Stack Social Platform   (**Website**) (**GitHub**)
- Built a **REST API** and community dashboard for creating posts and collaborating with users authenticated with **Password Hashing**
- **Technology:** MongoDB, Express.js, Angular, Node.js, bcrypt, Mongoose, Markdown, Heroku

Noten — Cloud Based Grade Management Application   (**Google Play Store**) (**GitHub**)
- Developed using a single codebase, deployable to both **iOS** and **Android**
- Implemented a flattened data store, resulting in **4x** fewer database queries on all **CRUD** operations on grades
- **Core Features:** Multi-Semester & Course Management, Grade Prediction, Pass/Fail Courses, Multiple Grade Scales, Selective Grade Calculation
- **Technology:** React Native, Firebase Realtime Database, Firebase Authentication with Google OAuth 2.0