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EDUCATION

University of Toronto

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

Toronto, ON

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.

Software Developer Co-op

Toronto, ON

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

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

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