

Ravi Seth

Mechatronics Engineering | App Developer | Team Canada Athlete

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EXPERIENCE

Klyck, Waterloo — Full Stack Developer

May 2019 - August 2019

- Lead developer on Microsoft Office integration to allow seamless collaboration and editing of Office files, using TypeScript, Angular, Node, Express, and Git
- Vigorously tested Node API with Microsoft's Testing Application and created unit testing module
- Regularly deployed API to Kubernetes Cluster for testing across the company, using Node and Docker
- Regularly fixed frontend defects to be seen by 10000+ users, using Angular and TypeScript

University of Waterloo, Waterloo — Software Developer

September 2018 - December 2018

- Developer on mobile project to add second measure of login security to existing Windows app, using Android and Java
- Refactored multiple computationally intensive libraries to be used for app security, using JavaScript and MATLAB
- Implemented Unit Testing for C# and JavaScript libraries and ensured 100% of the code was tested

Linamar, Guelph — Mechanical Engineer

January 2018 - April 2018

- Lead designer on the automation of the machine door mechanics while ensuring efficient cost and material usage

PROJECTS (see full list at [rksseth.github.io](https://github.com/rksseth))

Varsity Training Scheduler — Scheduling Software

Automated scheduling system to provide seamless UI experience, using Angular, TypeScript, Firebase, and Git. Designed the backend data structures to promote a clean implementation.

Recyclops — Android Recycling Assistant App

Integrated Google Cloud Platform Vision API into an Android app to provide waste identification and bin recommendation, using Java

Textris — iOS Word Game

Combined Tetris and Scrabble into a leaderboard game with letter generation and word verification using Apple's built in dictionary.

SKILLS

Languages

Java, TypeScript / JavaScript, Python, Swift, C#, C++

Frameworks

Angular, Node, Express, Ionic, Mocha

Tools

Android / iOS SDK, Git, Docker, Postman, Unit Testing

EDUCATION

University of Waterloo Mechatronics Engineering Co-op

September 2016 - June 2021

COMPETITIONS

UWEnergyHacks — Hackathon

Winner of "Best Design" category out of 150 participants

Euclid — Canadian Math Competition

Received Distinction for top 25% out of 18000+ participants

World Squash Championships 2016 and 2018, Poland and England — 2x Team Canada Athlete

National Squash Championship 2011 — Under 13 Winner