

Mathew Begg

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Education

Ryerson University – B.Eng. in Computer Engineering – Toronto, Canada *April 2021 (Expected)*

- Capstone Project: Image recognition add-on device for fridges (ongoing)

Skills

Languages - TypeScript, JavaScript, Java, C, HTML, CSS, SASS

Frameworks and Libraries - Angular, Node.js, MongoDB, NgRx, Redux

AWS Services - Lambda, DynamoDB, API Gateway, EC2, Cloudfront, Route 53, S3

Work Experience

SOTI Inc – Software Developer (internship) – Mississauga, Canada *May 2019 - August 2020*

- Full stack developer on *SOTI Insight* team. Worked primarily on front-end angular applications.
- Followed agile development practices with a scrum process. Involved in sprint planning and story point estimations.
- Collaborated with product owners, UI/UX designers, QA testers, architect and other developers.
- Joined team while product was in beta, participated in 2 major and several minor releases.
- Onboarded and mentored incoming class of interns.
- Major tasks I was responsible for included:
 - Refactoring entire front-end to implement new UI guidelines.
 - Creating several custom reusable UI components.
 - Organizing front-end architecture to ensure all components follow consistent practices.
 - Leading effort to significantly improve unit test coverage.
 - Writing scripts to normalize incoming and existing data of differing formats.
 - Implementing data scrubbing and migration code to handle inconsistent data formats.
 - General bug fixes and improvements.

Bell Technical Solutions – Technician – Toronto, Canada *May 2017 - August 2017*

- Independently drove company vehicle to customer premises, installing and repairing phone, internet and TV services.
- Resolved customer issues by troubleshooting and running tests at locations along the network.
- Worked rain or shine, indoors and outdoors, climbing ladders, working roadside, operating drills, laying aerial wires etc.

Oakdale Golf and Country Club – Greens Maintenance – Toronto, Canada *May 2016 - August 2016*

- Operated various equipment and vehicles to maintain golf course while remaining respectful of golfing members and guests.

Personal Projects

- Personal website showcasing my projects hosted in AWS (mathewbegg.com).
- Online multiplayer browser-based adaptation of a tabletop game using CQRS design principles. Angular app client connects via socket.io to node.js server hosted in EC2 instance.
- Cloud-based student database system for martial arts school. Angular app front-end interfaces with serverless AWS back-end using lambda functions and DynamoDB.