

# Mark Savin

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## Education

### York University – Lassonde School of Engineering

April 2021

- **Major:** Software Engineering, B.Eng.
- **Programming Coursework:** Algorithms & Data Structures, Operating Systems, Database Systems, Machine Learning
- **SE Coursework:** Building E-commerce Systems, Software Engineering Requirements, Software Engineering Testing, Mission Critical Systems, Advanced Software Engineering

## Work Experience

### Shipping and Receiving

May 2017 - September 2017

PerkinElmer - Bolton, ON

- Entrusted with crating mass spectrometers, ensuring safe and secure packaging for transport.
- Supervised co-workers, instructing them how to perform tasks and procedures safely and efficiently.
- Took the initiative to reorganize inventory bins, thus facilitating location of specific items.

### Engineering Documentation Intern

May 2016 - September 2016

PerkinElmer - Bolton, ON

- Uploaded and updated company documents through supply chain management software (Epicor).
- Communicated with the company's vendors to ensure their products were RoHS compliant.
- Edited laboratory manuals and company documents to improve readability and followed-up with the authors of these documents to confirm text was factually correct and up to date.

## Software Projects

**Personal Website:** [marksavin.github.io](https://marksavin.github.io) *(for additional information and projects)*

### Hospital Communication System

September 2020 - April 2021

Capstone – Project Manager/Scrum Master

- Developed a web application using React for physicians and nurses to communicate with one another via text message, to improve their productivity in the workplace.
- Organized sprint planning meetings and turned high level user stories in the product backlog into more detailed tasks for the sprint backlog. This process facilitated identification of the sprint goal, to clarify team objectives.
- Led sprint review meetings to assess the quality of work that was done. Assessed team members' strengths and weaknesses, to assign tasks that were well suited to the individual, which led to an increase in productivity and quality work.
- Designed and implemented a database schema, in MySQL, that would capture the complex communication network in hospitals.
- Used Formik to get values in and out of form state, create validation and error messages, and handle form submission.
- Developed a notification system that enabled users to send, read, and delete messages. Firebase was used to store and retrieve those messages using CRUD commands.
- Webpages were made mobile responsive with the aid of Flexbox.

### Online Bookstore

January 2020 - April 2020

Ecommerce Website

- Gained experience with constructing and maintaining a database through IBM Cloud, and how to use Java Database Connectivity (JDBC), XML, JSON, and REST web services.
- Created register and login pages, checkout page, homepage, search menu, adding books to the database, keeping record of books sold, and enabled customers to leave a book review.

## Skills

**Programming Languages:** Java, MATLAB, Python, JavaScript, HTML/CSS, React, Unix, SQL

**Software:** Microsoft Office, Eclipse, Visual Studio Code, Jupyter Notebook, Figma, Firebase, MySQL