

# CARTER MACLENNAN

Faculty of Computer Science Co-op Program

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## CORE COMPETENCIES

- Object Oriented Programming
- Web Development
- Version Control
- Automated Testing
- Android Development
- MERN Software Stack

## TECHNICAL SKILLS

LANGUAGES	FRAMEWORKS	TOOLS
<ul style="list-style-type: none"><li>• Java</li><li>• JavaScript</li><li>• Python</li><li>• CSS/HTML5</li></ul>	<ul style="list-style-type: none"><li>• React.js</li><li>• Express.js</li><li>• Selenium</li><li>• Bootstrap4</li></ul>	<ul style="list-style-type: none"><li>• Git</li><li>• RESTful APIs</li><li>• MongoDB</li><li>• Jenkins</li></ul>

## PROFESSIONAL EXPERIENCE

### VeroSource, Fredericton NB *September 2020 - Present* Software Developer

- Writing reusable React.js components with JSX (Javascript & HTML5).
- Developing responsive UI elements using CSS3, HTML5, and Bootstrap4.
- Providing clients simple content authoring using Drupal's RESTful Web Services.
- Utilizing shell scripts, and docker commands for building, running, and updating projects.
- Programming in Java with Spring to build upon existing web services.
- Developing in an agile environment using Git, Gitlab, Postman, VSCode, and Eclipse.

### IBM, Fredericton NB *June - December 2019* Security Intelligence QA

- Utilized sysadmin linux commands to perform both regression, and focused testing.
- Developed automated Selenium test cases in XML for a network security product.
- Specialized in testing systems with high availability, and hardware inside the datacenter.
- Monitored, and maintained Jenkins automation streams.
- Configured testing environments, followed patch scenarios, and setup deployments for teamwide testing.
- By refactoring the onboarding process, I increased productivity, and helped retain team knowledge.

### Irving Oil, Saint John NB *May - August 2018* IT Supply Chain Analyst

- Documented, investigated, and assisted Microsoft Access databases on the Irving Oil network.
- Presented weekly cybersecurity related topics to IT teams at Irving Oil.
- Supported Refinery IT personnel on day-to-day IT activities.

## PROJECTS

### My Personal Website:

- A simple responsive portfolio site developed with React.
- [GitHub](#), [Website](#)

### Lil Consistent Me:

- A Tamagotchi inspired consistency tracker for Android.
- [GitHub](#), [PlayStore](#)

### Notes Web Application:

- A note taking app developed using the MERN software stack.
- [GitHub](#)

### Campus Gym Data Analytics:

- A web application that allows the user to predict how crowded a campus gym will be.
- [GitHub](#)

### PokeGUI:

- A MERN web application deployed to Heroku, currently in development.
- [GitHub](#), [Heroku](#)

### RunSmart:

- A privacy-respecting GPS tracker for outdoor fitness, developed in a group of three.
- [GitHub](#), [PlayStore](#)

## EDUCATION

### BSc of Software Engineering:

- UNB Fredericton
- September 2017 - May 2022
- 3.9/4.3 Cumulative GPA (Dean's List)

### Web Development Bootcamp

- JavaScript ES6, CSS/HTML5, MERN Stack, Bootstrap4, Restful APIs
- Authentication, Security, Version Control, Unix CLI
- [Certificate](#) (54 hours)

## ACADEMIC AWARDS

- Dean's List: 2020 - 2018
- MacFarlane-Reid: 2020
- Edwin Jacob: 2020 - 2018
- Irving Oil Scholarship: 2020 - 2017
- UNBSJ Saint John Campus: 2017