

# Emilio Roche

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## Education

### Dalhousie University

BACHELOR OF COMPUTER SCIENCE

Halifax, NS, Canada

September 2017 – May 2022

## Work Experience

### Public Service Commission of the Government of Canada

Halifax, NS

JUNIOR PROGRAMMER ANALYST

September 2019 – December 2019

- Developed automated test scripts using Selenium to check validity of applications in development.
- Introduced scalable automated script writing, making running test scripts more time and memory efficient.
- Debugged an application program to find and solve bugs disrupting data in the backend database.
- Wrote documentation for a new application introduced to the ASD Application Division, Katalon Studio.

### MacDonald Dettwiler & Associates (MDA)

Halifax, NS

SOFTWARE DEVELOPER

May 2020 – August 2020

- Used Typescript/HTML/CSS to implement a sub-section in a management window in the TRITON application that determines interferences between operating area objects.
- Used AngularJS framework to assist in the development and defect maintenance of the TRITON application.
- Operated within a Scrum methodology to prioritize tasks/requirements during two-week sprints to promote time management skills and attainable goal setting.
- Improved communication skills and self-reliance while working from home during a global pandemic, using interaction platforms and working autonomously.

### SimplyCast

Halifax, NS

JUNIOR DEVELOPER

January 2021 – April 2021

- Debugged SimplyCast application to find and solve bugs to improve system stability.
- Used JavaScript/PHP to refactor out of date or inefficient existing software.
- Used Phabricator integrated with Git for code review and bug tracking.
- Ran manual execution scripts for functionality in the dev environment of the software application.
- Collaborated with SimplyCast Content/Product team to redesign and implement front-end technology on the Customer-facing application.

## Skills

**Languages:** Java, JavaScript, C, TypeScript, PHP, SQL, Selenium

**IDEs and Editors:** Eclipse, Android Studio, Atom, Emacs, IntelliJ IDEA, Visual Studio, Katalon Studio

**Dev Tools:** AngularJS Framework, CI with Jenkins, Wireshark Packet Analyzer, Task Management with Jira

**Version Control:** Git (GitLab, GitHub), Phabricator (With Arcanist), Subversion

## Technical Projects

### Supplement Adherence Application - Software Engineering (CSCI 3130)

Android Studio, Firebase, Java

A MOBILE APPLICATION FOR USERS TO CREATE AN ACCOUNT AND RECEIVE NOTIFICATIONS THAT WOULD HELP

PATIENTS KEEP TRACK OF THEIR PRESCRIPTIONS AND WHEN TO TAKE THEM

## References

**Scott MacDonald - Programmer Analyst,** ITS, Public Service Commission of Canada -

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**Steve Adams - Senior Software Engineer,** MDA (Macdonald Dettwiler & Associates) -

Steve.Adams2@mdacorporation.com

**Beth MacIsaac - Junior Software Developer,** SimplyCast - Beth.macisaac@simplycast.com