Alexander Cochrane

alexcochrane.ca

Alexander Cochrane
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Overview

As both a software developer and a musician, I value creativity and know the success of a project or performance relies on connecting with the client/end user/audience. I like figuring things out, being creative, troubleshooting and coming up with ways to improve code and ultimately improve the end-user experience. I believe collaboration, teamwork and idea sharing are key to ongoing professional development.

Education

Nova Scotia Community College / Information Technology - Programming

Graduated June 2018

Learned multiple programming concepts and languages (Java, PHP, Javascript, Python, C++, C#, etc.).
Used version control software (e.g. git, including with GitHub).
Created UML-style diagrams for design of programs.

Nova Scotia Community College / Music Arts

Graduated June 2014

Learned about the history of music, and the theory behind playing.
Practiced individually and in ensembles, and performed recitals in both formats.
Studied the business of music, as well as the wider topic of entrepreneurship.

Skills

Programming Languages: C, C++, C#, CSS, HTML, Java, Javascript, Lua, PHP, Python, Rust, Sass, SQL, XML

Tools: Eclipse, JetBrains, Visual Studio, Xamarin Studio, XCode

Operating Systems: *NIX (Linux, BSD, etc.), MacOS, Windows

Mobile Application Development: Android, iOS, Windows 10 Phone

Self-Directed learning: Unity Game Engine, Lua via RAGE plugins

Experience

Cossette Communications Inc. / Software Developer
FEBRUARY 2020 - PRESENT, HALIFAX, NS

Worked as a team to create new web solutions for marketing clients.

Created data solutions to speed up import and analysis of large data sets.

Updated client websites with new in-house frameworks to improve user experience, both client-facing and backend.

Novonix BTS / Software Developer
OCTOBER 2018 - FEBRUARY 2020, HALIFAX, NS

Designed and implemented a data solution for lithium-ion battery production and testing lines using MySQL & PHP.

Created a software solution for ease-of-access to battery data on the factory floor.

Created analysis software for large datasets related to electrochemistry.
Worked closely with teammates to design hardware for large international contracts.

Big Brothers Big Sisters of Greater Halifax / Web Application Development Project
APRIL 2018 - JUNE 2018, HALIFAX, NS

Consulted with the Manager of Service Delivery to plan and design the application outline.

Created a WordPress page widget to help direct item donations from donors.

View completed donation search bar here:
https://halifax.bigbrothersbigsisters.ca/ways-to-give/clothing-donations/

4-H Nova Scotia / CRM Data Entry
(TEMPORARY) JANUARY 2018 - APRIL 2018, TRURO, NS

Completed a data entry project, assisting the organization to transition to a new Microsoft Dynamics CRM platform.

Jazz East / Volunteer (Multiple Positions)
2012 - 2018, HALIFAX, NS

Aided in the setup and teardown of the Halifax Jazz Festival.

Served customers and handled disputes as a bartender.

Managed multiple stages at Halifax Jazz & East Coast Music Festivals

Almighty Software Company / Mobile Application Developer/Board of Directors
APRIL 2016 - OCTOBER 2016, HALIFAX, NS

Created Start-up company and new social fitness application (KinSHIFT).

Learned Android system with Java to create an application to specifications decided in meetings.

Met with board of directors to decide business direction.