Alex Wood

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Languages and Technologies

Programming Languages: C++, C, C#, Java, JavaScript, Scala, SQL

Web Development: HTML, CSS, jQuery, Bootstrap, AngularJS, ASP.NET

Tools: Visual Studio, Android Studio, IntelliJ IDEA, Git, GDB, Valgrind, Photoshop, GIMP, Blender

Employment

Wiley Edge (formerly mThree)

Montreal, QC

Java / Scala Software Developer

Nov 2021 - Present

- Placed at Morgan Stanley to aid in development of trader workflow tools using Scala in response to ongoing needs from users for bug fixes, improvements and new features
- Designed and implemented a data aggregation tool using Apache Spark to allow traders to derive new insights into workflow efficiency through infographics
- Improved existing analytic tools, resulting in a system performance boost of over 50%
- Scala, Java, Spark, SQL, SpringBoot, jUnit

AuctionOne

Brantford, ON

Software Developer

2016 - 2017

- Designed and implemented a scalable web platform AuctionOne in ASP.NET with AuctionWorx 3.1
- Responsible for organizing and managing listings for the AuctionOne project
- Maintained online advertisement campaigns

Education

University of Waterloo

Waterloo, ON

Bachelor of Computer Science

2012 - 2016

- Honours computer science graduate (with distinction) with GPA of 3.47 / 4
- Term Dean's Honours List, Fall 2015
- Received University of Waterloo's President Scholarship, Sept 2012
- Completed courses include Algorithms, User Interfaces, Data Structures

Projects

MovieDB

Dec 2021

- Developed a full-stack web application using Java, SpringBoot, ThymeLeaf and MySQL allowing for CRUD operations to be performed for movies and actors
- Integrated with a RESTful API to allow for importing data from IMDb

Android Weather App

Dec 2018 - Jan 2019

- Designed a weather application using Android Studio, Java and the OpenWeatherMap RESTful API
- Utilizes responsive design and periodically and asynchronously loads new weather data
- Various customizable user preferences