Website: virtued.dev
LinkedIn: linkedin.com/in/virtued
GitHub: github.com/vvirtuee

Dalton Virtue

+1 (519) 791-0217 | virtued@uwindsor.ca | Windsor, Ontario, Canada

Skills

HTML5, CSS, Ruby Javascript/Typescript	PHP, SQL	Java	C/C++/C#
VSCode, Ruby on Rails	PHPStorm, phpMyAdmin, Laravel, sqlplus, MySQL	IntelliJ IDEA, Android Studio, libGDX, JavaFX	Unity, Nana C++ Visual Studio
Python	**Swift**	**Cross Platform**	**GitHub**
matplotlib, pandas	XCode, SwiftUI	Dart + Flutter, Angular	**APIs, GUIs, UI/UX**

Education

General Degree in Computer Science, Minor in Mathematics   Sep 2019 - May 2024
University of Windsor
- Core & complex concepts of programming such as data structures, time complexity, operating systems, CPU architecture, interfaces, memory, database/networking concepts, languages such as C, Java, HTML, CSS, Javascript, & SQL.
- Linear algebra, calculus, numerical analysis for computer scientists, statistics for the sciences.

Diploma, Mobile Applications Development   Sep 2021 - May 2024
St. Clair College
- Project workflow with GitHub, web development front end (HTML, CSS, Javascript) & back-end (PHP, SQL), developing GUIs, using IDEs (Visual Studio + VSCode, IntelliJ, PHPStorm, Eclipse), developing mobile applications for Android & Apple devices (Android Studio, XCode), game design (Java with JavaFX, C# with Unity), using frameworks (Angular, Flutter, Laravel, Ruby on Rails), working with APIs, UI/UX concepts, documentation of code.

Professional Experience

Commercial Software Developer, University of Windsor (SOTAES Inc.)
Feb 2023 - present
- Developing academic software that models thermo fluid dynamics.
- Exploring visualization concepts by graphing large amounts of data in 2D/3D with custom built 3D engines, using 3D libraries, and 2D/3D interpolation methods. Creating GUIs in C++ using the Nana C++ library with Visual Studio IDE and Python with matplotlib.

Programming Teacher, Code Ninjas Windsor
Apr 2022 - Sep 2023
- Educating children aged 7 - 16 on various core computer science concepts such as syntax, data structures, debugging practices, etc.
- Teaching coding languages such as Javascript, Lua (Roblox), and Unity C# in respective order.

Co-Op Jr. Support Analyst, Windsor Regional Hospital Ouellette with Transform IT
Feb 2019 - Jun 2019 (5 months, 200+ hours)
- Learned about network maps, network addressing, protocols, updating network information to new devices.
- Deploying and decommissioning PCs/printers, re-building PCS, re-imaging PCs, registering new PCs to domains and assigning addresses accordingly through SCCM and Citrix software.