

ADAM SWANSON

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SUMMARY

- Launched \$100,000 CanCODE project and acquired additional \$200,000 with EUREKA! Science Program
- Lead conversations with clients to gather requirements, document, and implement using iterative approach
- My [Portfolio](#) best showcases previously built websites, projects, and other skills (<https://adamswanson.ca>)
- My [GitHub](#) displays school and self directed projects and other skills (<https://github.com/Swando97>)

TECHNICAL SKILLS:

- Programming Languages (PLs): Java, C/C++, C#, Python, SQL, PHP, JavaScript, HTML(5)/CSS
- Applications (IDEs): Visual Studio Code, Xcode 12, IntelliJ IDEA, Android Studio, MS Office
- Design Tools: Adobe Photoshop, Illustrator, Animator, Premier Pro, Canva, Pixlr
- Database Management (DBMS): MySQL, Firebase, MS Access
- Operation Systems (OS): Windows 10, MacOS, Linux

EDUCATION

Bachelor of Computing Science (BCS)

Sept 2015 - Dec 2020

Thompson Rivers University, Kamloops, BC

- Winner of Academic All-Canadian Scholarship (3X), U-Sports
- Winner of Athletic Scholarship (5X), TRU
- Published mobile application on Google Play Store
- Developed voice authentication security system for SilverServers

WORK EXPERIENCE

Founder & Software Developer

Mar 2020 – Present

QRZones (Vancouver)

- Founder & Software Developer at QRZones, a tech company helping businesses grow through mobile optimized marketing campaigns (Web Development, Mobile Apps, and QR Codes).
- Continuous weekly development of the entire *front-end* and *back-end* of [QRZones](https://qrzones.com) (<https://qrzones.com>).
- Clients: [KVA Mechanical](#), [Pristine Pressure Washing Services](#), [Toolbox Renovations](#), [Invito Coffee](#), [Poli Productions](#), and [70 Pizzeria](#).
- Pristine Pressure Washing Services in 1st month have secured 5 contracts with new website.
- Invito Coffee increased social media followers on Instagram via 10,000 QR Code stickers by 26%.
- Implement customizable web features via *PHP*, *JavaScript*, *HTML(5)*, *CSS*, or any combination of these.
- Configured QRZones with *Google Analytics* and *Google Search Console* to provide user engagement details.

CanCODE Project Manager (CO-OP)

Feb 2017 - Jul 2017

EUREKA! Science Program (Kamloops)

Nov 2019 - Apr 2020

- Launched the \$100,000 CanCODE initiative in Kamloops (SD73) reaching over 5,700 students.
- Based on the program's success, an additional \$200,000 investment was acquired to continue development.
- Re-hired to develop/implement additional workshops based on *experience* and *quality* produced.
- Performed software/hardware upgrades, updates, installation, configuration management, and troubleshooting.
- Worked collaboratively in teams with multiple stakeholders to satisfy requirements and exceed expectations.
- Task and risk management by developing schedules, a contingency plan, and a risk register.

Assistant Soccer Coach

Sep 2015 - Feb 2018

Vancouver Whitecaps Academy (Kamloops)

- Part-time coach with the Vancouver Whitecaps Youth Academy developing the future of Kamloops soccer.
- Effective communicator through clearly expressing my ideas, instructions, and feedback to players.
- Implemented a positive atmosphere that promotes club culture, positive attitudes, and teamwork.
- Patience and accepting that player development is a gradual process; always focus on mentorship goals.
- Great listener to gain an intuitive understanding about specific situations and how to best respond.

Soccer Referee

Aug 2008 - Jul 2014

North Shore Soccer Association (North/West Vancouver)

- Started as an Assistant Referee that promoted into the main Centre Referee position to control games, events, and provincial competitions in a confident manner.
- Demonstrated integrity and unbiased attitude towards every situation. Conduct matches regardless of what players, coaches, or spectators feel in order to maintain the beautiful game's core values.
- Maintained composure and calm when dealing with difficult people and situations. Only focus on my decisions and eliminate external distractions by controlling emotions.
- Common sense and quick analytical thinking to make decisions that may impact the outcome of a game.
- Consistency so the players, coaches, and spectators understand my decisions in high energy situations.

PROJECTS

Project #1

GeoFriend (*Android Mobile App*)

Sep 2020 – Dec 2020

GitHub Repo: (<https://github.com/Swando97/GeoFriendv0.2>)

- GeoFriend is primarily a location-based application which uses GPS, RFID, Wi-Fi or cellular data to trigger a programmed action when a mobile device enters or exits a pre-defined virtual boundary (Geo-fence).
- Lead our team of 3 and completed entire project virtually. Scrum master in our weekly sprint reviews.
- Developed application using Android Studio and implemented a fully customized Google Maps API (3D Buildings, Slide-and-Swipe Navigation, Custom Icons, Landmarks, etc.).
- Implemented Firebase for the Cloud Firestore to hold location and user data. Source Control Management via GitHub to track history of code development, resolved conflicts, and merged multiple contributions.
- Published on Google Play Store. (<https://play.google.com/store/apps/details?id=com.geofriend.geofriend>)

Project #2

Voice Authentication Security System (*Internet of Things*)

Jan 2020 – May 2020

GitHub Repo: (<https://github.com/diegojramirez7/silverservers>)

- Configured Raspberry Pi (RPi) to record, compare, identify, and verify employees by voice authentication at [SilverServers](#) for an additional level of security on their building premise.
- External third-party APIs (Microsoft Azure Speech Recognition) and (VoiceIt) used for sound identification tool.
- Compared vocal tone and speech patterns from local sources of employees and visiting clients.
- Experience testing and debugging a fully customized PHP server-side scripting program.
- Worked collaboratively in team of 3 with designated roles and responsibilities.

Project #3

Scientific Calculator (C++)

Jul 2020

GitHub Repo: (<https://github.com/Swando97/Scientific-Calculator>)

- Implemented standard and scientific calculator classes to apply Object-Oriented Programming (OOP).
- Designed classes for use of inheritance which promotes code re-usability, extendibility, and data hiding.
- Implemented the calculation functions as templates which accept generic data types for more flexibility.
- Implemented error handling with a bounds check and a data type check to only accept valid input.
- Worked collaboratively in team of 3 with designated roles and responsibilities.

CERTIFICATIONS

- Google Analytics for Beginners, Google Analytics Academy Aug 2020
- Innovative Technology Award, TRU The ICE Club Dec 2020