# Victor Popoola

Location: San Francisco, California　　　　　　　Tel: +1 (415) 592 4678

Website: https://victorxlr.me　　　　　　　　　Email: victorxlr007@gmail.com

LinkedIn: https://www.linkedin.com/in/victor-popoola/　　　GitHub: https://github.com/VictorXLR

## Skills

React.js, C/C++, HTML/CSS/JS, Vue.js, Python, Java, MySQL/PostgreSQL, Node.js, Git, Kotlin, MongoDB, Flask, PHP, Rust, Ruby, Flutter, AWS, Terraform

## Work Experience

**Software Engineer – Autonomous Vehicle Backend**　　　　　November 2022 --- Present

Pronto.ai, San Francisco, California

- Created the FMS application, a react web application used for device and fleet management for cloud and on premise.
- Contributed to a python/ML codebase responsible for autonomous trucks, navigation, real time messaging and safety.
- Created software drivers for hardware devices, designed packages for dealing with hardware from different vendors and backward compatibility with existing products.
- Designed and implemented improvements to existing systems with issues ranging from security, speed, messaging, logging, databases, software versioning, setting up hardware for clients, and best security practices for software and networking stack.

**Software Engineer**　　　　　　　　　　　　　　　August 2021---October 2022

Watzan LLC, Halifax, Nova Scotia

- Created the mobile app for social audio platform, ililli.co utilizing the Flutter framework which allows developers to utilize one codebase for both android and iOS.
- Converted their existing applications into containers for cloud ready applications by utilizing Docker & Terraform.
- Created a CI/CD platform for ililli.co by utilizing Fastlane.
- Created documentation for existing and current company offerings from both developer and end users' perspective.
- Wrote unit and integration tests for apps written in ruby, dart (flutter) and workflow scripts.

**Software Engineer 1**                                                    June 2020 ----July 2021

Analyze Re, Halifax, Nova Scotia.

- Designed algorithms for efficient use of compute, memory, and networking resources.
- Worked with the Software Architect and Engineering Team lead to ensure that features are delivered on time, and in a manner consistent with the existing platform.
- Utilized AWS Features such as Lambda, S3, IAM, CloudWatch, DynamoDB and API Gateway to create features for the platform.
- Utilized technologies such as Angular.js, Docker, AWS SAM, PyTest, GRPC, ProtoBuf and PostgreSQL to create features for the platform.

**Full Stack Developer**                                             January 2020 --- March 2020

Institute for Big Data Analytics, Dalhousie University, Halifax, NS

- Implemented functionalities for interacting with Third party API's in a Django project.
- Fixed bugs on existing projects and implemented functionality that significantly improved web functionality and speed.

**Software Developer** – 2$^{nd}$ Work Term                          April 2019 ---- August 2019

Institute for Big Data Analytics, Dalhousie University, Halifax, NS

- Created a network interfacing application which improved system performance and data collection from 30 thousand records to 2 million records per hour using Python and C libraries
- Created a decoder for the AIS message system used in maritime communication and collision avoidance systems
- Created a Single Page Application using Vue.js to visualize health and progress information from both remote and local devices/programs.
- Designed and implemented the system used for remote real-time data collection, algorithms for calculating the optimal window size to avoid data replication
- Implemented security and cryptographic features for devices responsible for remote data collection and system health
- Implemented fault avoidance systems such as shared databases for MongoDB and secure queries for PostgreSQL

Certifications:

BTA Certified Blockchain Developer- Hyperledger

AWS Certified Cloud Practitioner - Link

## Education

**Dalhousie University**, Halifax, NS                    September 2016 ---- October 2020

Bachelor of Computer Science with Honors

President of [Dalhousie White Hat Society,](#)  A student run ethical hacking society

Awards: FCS-ILA USRA Recipient - Summer 2020


## Projects

ElectionApp – An Android app for society elections used in CSCI 3110 – Software Engineering

RouteFit – A fitness app built in Kotlin for CSCI 4176 – Mobile Computing

Spotify-Tweet: A Python program to tweet my actively playing song

ScreenFetch-Windows – PowerShell version of Linux ScreenFetch or NeoFetch for Windows systems

Welick – Web Implementation of text-based decision driven games

pyAISDecoder – A closed source AIS Message decoder

ShellApp – A closed source server management system to handle fallbacks, exceptions and errors

Listener – A Python network facing program to receive AIS Data and prepare it for processing

Manga Store – An e-Commerce platform written in PHP for CSCI 3172: Web Centric Computing