

Github: samjjc
Phone: 613-793-2088
Email: sam111jc@gmail.com
Website: samjjc.github.io

Samuel Catherasoo

Software Developer | Software Eng. Student | Graduate 2021

Experience

Software Engineer Intern | Stripe May 2019 – August 2019

Write clean code and hopefully break nothing

ETL Developer Intern | Fullscript September 2018 – December 2018

Work building the core architecture and foundation of Fullscript's data warehouse

- Build framework to allow developers to run ETL jobs using Go, grpc, and a microservice architecture
- Design, build, and test ETL job runners and data warehouse schemas

Software Developer Intern | Foko May 2018 – August 2018

Worked on the core android app at a fast-paced startup

- Reduced android app download size by 28% by using app bundler
- Implemented core features on a tight deadline without introducing tech debt

Software Developer Intern | Shopify September 2017 – December 2017

Worked on Shopify's point of sale app and helped create some new apps

- Implemented core architecture features of a websocket communication between 2 android devices
- Wrote Stream processor in Go for kafka streams for iOS push notifications
- Set up CI and set up pipelines on Buildkite
- Wrote highly testable code and unit/integration tests for all features and bug fixes

Developer Intern | GT-tronics June 2017 – August 2017

Worked on various projects to involving GT-tronics' custom dataexchangers

- Connect dataexchangers with android and ios devices using Bluetooth Low Energy
- Connect to GoLang server which interfaces with google speech api

Co-op intern | Ericsson June 2015 – August 2015

Development project focused on improving the efficiency of hardware inventory management

- Made Inventory app using mysql and php

Personal Projects

Lift | Hack the North Winner | JavaScript, Fitbit

Implemented core algorithm for the Fitbit watch to measure a rep of bench-press and bicep curls using the accelerometer and the gyroscope by graphing values and identifying key attributes.

Shippy | Go, Docker, GRPC

Implemented a simple shipping service using a micro service architecture.

Sticker Economy | Django, websockets, Redis, MySQL

A sticker trading app. Used Django channels and redis to make fast, scalable messaging

AR Draw | ConuHacks Top 5 | Android, C#, MySQL

An AR Drawing app, pretty much google's "just a line" except I made it two months before they did, and before they added multiuser features

Open Source Contributions: Neovim, VSCode

Education

Bachelor in Engineering, Software Engineering with Co-op | Carleton University *September 2016 – Present*
GPA: 11.8/12 Undergraduate

Technical Skills

Favourite Languages: Go, Kotlin, Ruby, Python

Technologies: Android, Django, Docker, MySql, MongoDB, AWS, Google Cloud, GRPC

Areas of Interest: Backend and Data Infrastructure, Software Architecture, Performant and Resilient Systems.