

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

# Samuel Catherasoo

Software Developer | Software Eng. Student | Graduate 2021

## Experience

- 
- ETL Developer Intern | Fullscript** September 2018 – December 2018  
Work building the core architecture and foundation of Fullscript's data warehouse
- 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
  - Influenced the architectural design of the app.
- 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

- 
- 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
- ResOptim | Django | Mchacks 4<sup>th</sup> place**  
Built online application that optimizes a resume to the specific requirements of each job description
- AR Draw | Android, C#, MySQL | ConuHacks Top 5**  
An AR Drawing app, pretty much google's "just a line" except I made it two months 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
- Areas of Interest:** Infrastructure and Backend Development, Software Architecture, Performant and Resilient Systems.