Joshua **Samuels**

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Experience

Taplytics *Toronto, ON*
FULL STACK INTERN *May 2020 – Aug 2020*
- Refactored, modularized, and added features to our Cloudflare Workers that process close to 250 million requests per day with NodeJS
- Improved Cloudflare Worker infrastructure by creating CI pipelines and consulting on a release schedule
- Added variation sharing and extension messages to our Chrome extension in ReactJS
- Fixed various Objective-C SDK bugs and created an iOS 14 improvement/privacy document

Square - CashApp *Kitchener, ON*
SOFTWARE ENGINEER INTERN - iOS *Jan 2020 – Apr 2020*
- Developed the lending iOS product from a prototype to a production-ready product.
- Built an app message prompting users to link additional aliases to their Cash accounts which reduced support cases by over of 2%
- Assisted in the refactoring and removal of legacy code into modules.

Square *San Francisco, CA*
SOFTWARE ENGINEER INTERN - DEPLOY *May 2019 – Aug 2019*
- Led the development of a Kubernetes Configuration Management (kube config mgmt) service in Go.
- Collaborated with internal teams including legal and security to improve kube config mgmt and start the open-source process.
- Created a CI flow to securely validate and store Kubernetes

University of Guelph *Guelph, ON*
UNDERGRADUATE RESEARCH ASSISTANT *Sept 2018 – Apr 2019*
- Led the development of an API to track health and weather patterns in the circumpolar north with NodeJS.
- Refactored unit tests to improve readability and configurability with Mocha.
- Worked with API consumers to ensure all issues were addressed in a timely manner.

NCR *Waterloo, ON*
ENGINEERING INTERN *May 2018 – Dec 2018*
- Developed a transaction processing API in Java for use by financial institutions.
- Refactored code to compile 30% faster and work on an internal platform which cut development time in half.

Skills

Programming Languages: JavaScript, Golang, Swift, Bash, Java
Frameworks & Tools: NodeJS, ExpressJS, Jest, Mocha, ReactJS
Databases: MongoDB, MySQL, DynamoDB
Other Skills: Git, Docker, Docker Compose, Kubernetes, Cloudflare Workers
Make, CircleCI, Yarn, Lerna, HTML & CSS, AWS S3

Projects

Kubernetes | Open Source Contributor *Golang*
MIGRATING APPLY FUNCTIONALITY TO THE KUBERNETES API. SEE MY GITHUB FOR MY CONTRIBUTIONS. *kubernetes.io*

GitHub License Retriever *Golang, GitHub API*
A PROGRAM TO RETRIEVE FIRST-DEGREE DEPENDENCY LICENSES FROM GITHUB USING GO. *github.com/joshmsamuels/gh-licenses*

Kismet *Swift*
A RANDOM NUMBER GENERATOR (IOS) TO GENERATE FROM A VARIETY OF RANGES IN SWIFT. *github.com/joshmsamuels/Kismet*

Education

University of Guelph *Guelph, ON*
B.COMP. IN SOFTWARE ENGINEERING
MINOR IN BUSINESS ADMINISTRATION *Sept 2016 – Apr 2021*