


Jeremie Gabor

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WORK EXPERIENCE

Snap | Maps Backend

New York, New York

Software Engineering Intern

Jan - Apr 2020

- Designed and implemented inter-region proxy in Go, a **critical piece of Snap Map's new location sharing infrastructure** that enables global deployment, effectively reducing latency between mobile devices and servers, as well as allowing fine grained control over inter-region traffic and cost
- Implemented and debugged central components to Snap's new **real-time location sharing backend** in a highly concurrent environment often dealing with **over 100k goroutines** per instance
- Created an IP address to country mapping service that **serves gRPC traffic on AWS EKS** and is already used by multiple servers in Snap Map's backend

Splunk | Phantom

San Jose, California

Software Engineering Intern

May - Aug 2019

- Implemented the registration and key sharing process in **C++** and **Python** for the new Phantom mobile app
- Refactored **C++ daemon** to efficiently process and respond to incoming requests from multiple devices
- Designed **publisher/subscriber based notifications** to allow live updating in the mobile app

Zazzle | Platform

Redwood City, California

Platform Engineering Intern

Sep - Dec 2018

- Migrated all video encoding processes to AWS, reducing security risks and saving **thousands on new servers**
- **Freed up days of developer time** by spearheading project to integrate sonarqube within entire Zazzle codebase

Milliman | FRM team

Chicago, Illinois

Financial Risk Management Intern

Jan - Apr 2018

- Prototyped a **NN using keras** to replicate Black Scholes' formula, motivating the use of NN to price options

PROJECTS

WeTanks

- Implemented **collision detection and response** for a multiplayer tank game created using **websockets**

Text me by the Hoops

- App built on ionic and cordova framework allowing users to quickly parse sports audio using the **wit.ai API**

SKILLS

- Languages: C++, Golang, Python, C, C#, R, SQL, Racket
- Tools and Frameworks: Git, Jupyter, Linux, DynamoDB, OpenCV, Numpy

EDUCATION

University of Waterloo - Bachelor of Mathematics in Computer Science and Statistics

2016-2020

- Overall average: 93%, Dean's Honours List, Winston and Diana Cherry Statistics Award

Relevant Courses

- CS231n – Convolutional Neural Networks (Stanford)
- Machine Learning (Coursera)
- CS343 – Concurrent/Parallel Programming (Waterloo)
- CS489 – Intro to Neural Networks (Waterloo)

ACCOMPLISHMENTS & INTERESTS

- President's Scholarship of Distinction
- Captain of Waterloo's Varsity Ultimate Frisbee team
- Regular participant of Codeforces competitions
- Marathon finisher and aspiring triathlete

LANGUAGES

- **English and French** | Written and Spoken – Fluent