

GUILLAUME LAM

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WORK EXPERIENCE

Jive Communications

May 2018 - Aug 2018

Software Developer Intern (Montreal, Qc)

- Ported AGI (call routing tool) from virtual machines to containers. AGI application was coded in **Java** and the tool used for containerization was **Docker** and **Kubernetes**.
- Developed the new voicemail transcription feature. The application was coded in **Go**, used **Google's Speech** as the speech-to-text application, containerized using **Docker**, and **Kafka Apache** as temporary storage for messages.
- Developed a tool to create load tests for the voicemail transcription. This tool was made using **Go**, **Bash** and **Docker**.
- Modified the deployment tool of the application which routes calls of the product. The application used to be running on VM, but is now running using **Docker**. Tool used **Groovy** to automate the process.

Ericsson

May 2017 – Dec 2017

Software Developer Intern (Montreal, Qc)

- Developed mobile interface and frontend for an Internet of Things (IoT) platform which monitors home and neighbourhood security. Worked with **ionic** to facilitate cross-platform development.
- Improved overall architecture of application using **Flask** and **MongoDB**.
- Deployed machine learning in facial recognition to detect potential dangers of break-ins using **OpenCV** and **Tensorflow**.

OTHER PROJECTS

2018 Jan

Ai Tetris Player at Conuhacks, Hackathon

- Built a Tetris player in Python and Javascript using flask which hosts the player
- Used Python tensorflow to build Ai to play the game

2017 Nov	Accident Predictor at Code Jam, Hackathon -Team lead on developing project which would anticipate accident rates in Montreal. -Application helps predict accident probability based on time and weather conditions on roads.
2017 Jan	Face descriptor at McHacks, Hackathon -Worked on an application which could create a description of a newly seen face. -Description of new face based on similarity to trained faces using Microsoft's Face API.

TECHNICAL SKILLS

Programming Languages	Python – C – C++ – Bash – GO - Java – JavaScript/Node – Html/CSS
Libraries & Frameworks	OpenCV – Tensorflow – MongoDB – Flask – Ionic - React -
Tools	Git – Docker - Kubernetes
Spoken Languages	English, French: full professional proficiency

EDUCATION

2016 - 2020	McGill University , B. Eng in Software Engineering CGPA: 3.69/4.00
2014 - 2016	John Abbott College , Diploma of College Studies (DCS)
2009 - 2014	College Sainte-Anne , High School Diploma

ACADEMIC DISTINCTIONS

Fall 2017	Golden Key Member , membership requiring to be in top 15% of your program
Fall 2015 & Winter 2016	Honour Roll in Honour Sciences at John Abbott College

REFERENCES

Available upon request