

# GILBERT LAM

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## EDUCATION

### BACHELOR OF COMPUTER SCIENCE

CARLETON UNIVERSITY, OTTAWA, CANADA  
September 2016 - Present



## LINKS

[Github://GilbertHLam](#)

[LinkedIn://gilberthlam](#)



## SKILLS

### PROGRAMMING LANGUAGES

#### Experience With:

- Java
- Python
- JavaScript
- TypeScript
- HTML5/CSS3
- ReactJS
- NodeJS
- Swift
- **Learning:**
- C
- AngularJS

### TOOLS & TECHNOLOGIES

#### Experience With:

- Git
- JSON
- XCode
- Android Studio
- MacOS
- Linux
- Windows
- Learning:**
- TensorFlow



## EXTRACURRICULARS

### HACKATHONS

- 2016 QHacks
- 2017 CUHacking
- 2017 Electric City Hacks
- 2017 HackWestern

### AWARDS

- 2016 Carleton Entrance Scholarship
- 2017 CU Hacking - Best Use of Indico API
- 2018 Electric City Hacks - Best Database

### VOLUNTEERING

- 2017 Carleton Computer Science Society



## EXPERIENCE

### SOFTWARE ENGINEER INTERN | Amazon

May 2020 - August 2020  
Remote

- Created new back-end workflow using **Java** which resulted in a reduction of physical contact between workers and truck drivers
- Added to the project's infrastructure using **CloudFormation** and **DynamoDB**
- Implemented the front-end using **ReactJS** and **Redux**
- Assured code quality by writing thorough **Unit Tests** and **Integration Tests**
- Deployed the project to production in 35 different sites across the United States and worked closely with users to investigate and resolve bugs and issues.

### SOFTWARE ENGINEER INTERN | Amazon

September 2019 - December 2019  
Vancouver, BC

- Created a solution for automatically updating the android app used by fulfillment centers and truck drivers when a new version is deployed
- Created an API using **API Gateway**, **AWS Lambda**, and **Amazon S3** to retrieve the correct APK file based on the device the user has
- Worked with **React Native**, **Android Studio**, and **Java** to allow the app to download and install the updates from the API
- Worked closely with senior engineers to create **design documents** to keep track of requirements, goals, and potential problems.

### SOFTWARE DEVELOPER CO-OP | Rangle.io

May 2019 - August 2019  
Toronto, ON

- Developed features and user interfaces for a multinational **ecommerce** site using **React**, **TypeScript**, **Redux**, and **Sass**.
- Assisted in creating a store locator web application from scratch.
- Implemented **schema.org** markup to provide potential customers with more in depth store information in search engine results.
- Assisted in **refactoring** many parts of the site to share logic between the mobile app and website.

### SOFTWARE DEVELOPER CO-OP | IBM Canada

May 2018 - December 2018  
Ottawa, ON

- Implemented features for a **data visualization and analytics** web application
- Developed user interfaces using **ReactJS**, **MobX**, and **Sass**
- Used HTTP requests to communicate with the back end servers to retrieve data for the user
- Wrote unit tests for React components and MobX models using **Jest**
- Expanded code coverage to increase the stability of the product
- Wrote automation tests using **Selenium**



## PROJECTS

### MAKE TWITTER POSITIVE AGAIN | Java & Indico API

Analyze user's tweet to determine positivity

February 2017

- Created HTTP Requests to retrieve a user's tweets in the JSON format.
- Used machine learning APIs to perform sentiment analysis on the user's profile and calculate a score based on the average positivity of their tweets.
- Implemented the model-view-controller pattern of programming in order to create a simple user interface

### SPOTIFY LYRICS | NodeJS, JQuery, Spotify API & IBM Watson API

Automatically retrieve and display lyrics to song being streamed

May 2017

- Made a back end server using NodeJS which handles connections to Spotify accounts and handles API requests.
- Used Watson API to analyze emotions within the lyrics and return the information to the user.