

# Gabrielle Ong

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## Education

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### University of Toronto - Bachelors of Science, Computer Science

Toronto, Canada

TEACHING ASSISTANT FOR INTRODUCTION TO PROGRAMMING II ACTIVE LEARNING LECTURE (160 STUDENTS)

Sep 2018 – Dec 2021 (expected)

## Work Experience

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### Bell Canada - Site Reliability Engineering (Intern)

Toronto, Canada

BELL IS THE LARGEST TELECOMMUNICATIONS COMPANY IN CANADA

May 2019 – Aug 2019

- Built a Python script to give visibility of video assets processing through assembly line of multiple channels. Enabled operators to resolve errors and deliver assets to storefront successfully and on time
- Evolved the value of the script into a database and UI, to enable real-time data. Built in C#, ASP.net, MySQL
- Collected metrics and created New Relic dashboard to monitor efficiency, speed and reliability of the assembly line. Enabled company to measure performance of content providers and assess contract obligations
- Automated high volume error fixes, reducing daily errors by 30%. Reduced resolution time by 60% via workflow with Slack Bots

### TavTech - Artificial Intelligence Fellow

Tel Aviv, Israel

TAVTECH IS A ENTREPRENEURIAL AND TECHNICAL FELLOWSHIP AWARDED TO STUDENTS WORLDWIDE

Dec 2017 – Jan 2018

- Built neural networks for Natural Language Processing and Image Processing using Python, Keras & Tensorflow
- Built FaceReality - a Generative Adversarial Network that transforms forensic sketches to photos. Won Audience Favourite Hack

### TradeGecko - Software Engineer (Full time)

Singapore

TRADEGECCKO IS A \$20 MILLION VC FUNDED COMPANY BUILDING INVENTORY MANAGEMENT SOFTWARE-AS-A-SERVICE

Oct 2016 – Nov 2017

- Built full-stack features for eCommerce Platform - participated in architecture discussions, handled database migrations, testing, deployment and bug fixes for customer base of 10,000+
- Reduced algorithm complexity of database queries, built asynchronous API in Rails, reduced response time by 60%
- Implemented new UX for partners' portal, increasing referrals by 50%
- Interviewed and filtered prospective talent for Engineering Manager position

### General Assembly - Teaching Assistant

Singapore

GENERAL ASSEMBLY PROVIDES EDUCATION TO LAUNCH ADULTS ONTO CAREER PATHS IN TECH

May 2016 – Aug 2016

- Selected as top student to be a Teaching Assistant, taught next cohort of 20 adult learners
- Conducted lessons, hands-on labs, coached students in technical projects to help them get industry jobs

## Skills

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**Languages:** Python, Ruby, Javascript, Unix, Java, C#, HTML/CSS, SQL

**Frameworks:** Ember.js, Ruby on Rails, Node.js, PostgreSQL, MongoDB, Pytorch, New Relic, Kibana

**Best Practices:** Test Driven Development, CI/CD, Git/Github, Wireframing, Agile, Scrum, Rapid prototyping

## Projects

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### HospitalRun.io - Open Source Hospital Management Software

Ember.js, Ruby on Rails

REFACTORED DATA MODELS TO ENABLE TRANSLATION FOR USERS WORLDWIDE

### Oslyn.io - Machine Learning Team Lead

Amazon Sagemaker, S3, Cloudfront

TRAINED NEURAL NETWORK TO GENERATE MUSICAL ACCOMPANIMENT FOR BANDS

## Recognition

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Jan 2018 **Audience Favourite Hack - TavTech Hackathon**, FaceReality - Generative Adversarial Network transforming forensic sketches to photos

Oct 2017 **Conference Talk - Ruby Conference, Malaysia**, Programming like an Athlete

Nov 2016 **Conference Emcee - JS Conference, Singapore**,

Apr 2016 **Best All Round Hack - Facebook x Girls in Tech**, Interactive donations portal that visualizes impact