



Cora Lam

Computer Science
University of Waterloo

Profile

-  [linkedin.com/in/coraellation](https://www.linkedin.com/in/coraellation)
-  github.com/coraellation
-  coralam17@gmail.com
-  coralam.ca
-  (647) 916 8892

Languages

Python
Java
C/C++
JavaScript

Tools & Frameworks

Node.js
Maven
AngularJS
PostgreSQL
Android SDK

Education

University of Waterloo
Candidate for Bachelor of
Computer Science
2014 - 2019 (expected)

Awards

Finalist in Educational
Computing Organization of
Ontario Regional Competition

Top 10 in Canada in Junior
Canadian Computing
Competition

WORK EXPERIENCE

Snap Inc. | Software Engineering Intern

May – Aug. 2017

Tools: Python, JavaScript, App Engine, Google Cloud Datastore

- Developed tool for all teams to search through A/B tests across different dimensions to avoid creating overlapping tests that target a similar demographic
- Designed and implemented an A/B test schedule view used by engineers and data scientists to easily visualize the life cycle and user distribution of A/B tests
- Extended company-wide feature release dashboard with A/B test rollout data to monitor for crashes

Toast Inc. | Software Engineering Intern

Sept. – Dec. 2016

Tools: Java, Play Framework, PostgreSQL, JUnit, Mockito

- Developed concurrent task scheduler that improved synchronization speed by 10x for customer orders made through an API to the kitchen display system
- Built a gift card import validation tool lowering one of the top reported support tickets
- Improved barcode generation algorithm by reducing probability of duplication by 32x
- Incorporated data metrics into multiple features for monitoring and analytics

Autodesk | Software Developer Intern

Jan. – Apr. 2016

Tools: JavaScript, Node.js, Three.js, CAD

- Worked on stabilizing 3D CAD web application for [Fusion 360 Project Leopard](#)
- Developed snap-to-grid feature for object-oriented modelling using quantization
- Improved 3D plane selection with depth perception using raycasting
- Ported critical UI features to match with the Fusion 360 desktop application

Veeva Systems | Software Engineering Intern

May – Aug. 2015

Tools: Java, Spring Framework, MySQL, JavaScript, JUnit, AWS

- Developed file archiver with expander and compressor for data files
- Integrated FTPS Client to transfer data to users from multiple servers
- Developed management tool to provision AWS Redshift instances

PROGRAMMING PROJECTS

StockIt

Tools: Node.js, Express, Socket.io, NLP Library

- A financial analysis and stock recommendation tool. Applies semantic analysis on Bloomberg news for the past month using natural language processing.

DrawFriends

Tools: Android, Bluetooth API

- A realtime interactive drawing application where two devices connected via bluetooth can collaboratively draw on the same canvas for easy idea sharing.

PERSONAL PROJECTS

- **Co-founder of Tech Retreat** — Hackathon and learnathon for high school students; logistics, outreach coordinator and host of opening, closing ceremonies
- **Executive of Woodlands High School Computer Science Club** — Mentored 30+ students in Python to train them for various programming competitions