

# CHRISTOPHER CHANG

email@gmail.com | 911-123-1234

## Education

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### University of Waterloo

Sept 2014 - Apr 2019

#### Bachelor of Computer Science

- **Courses:** OOP in C++, Compilers, Algorithms, Operating Systems, Data Structures

## Skills

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Languages: C++, Python, Java, Ruby, Javascript, Go

Technologies: React.js, Ruby on Rails, Next.js, MySQL, Postgresql, AWS, Bash, Git, Docker

## Professional Experience

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### Flexport

San Francisco, CA

Software Engineering Intern - Client Application Team

Sept 2018 - Dec 2018

- Built UI components in React.js to digitize the process of global trade
- Designed and implemented data models in Ruby on Rails to model various processes in global trade

### Facebook

Menlo Park, CA

Software Engineering Intern - Audience Insights Team

May 2018 - Aug 2018

- Built a testing framework to ensure stability of audience insights estimation query engine in C++
- Reduced cache size by 36% for ads estimation service by applying Elias Fano encoding to user data
  - Designed and implemented the migration and deployment plan to use Elias Fano encoded data

### Google

Seattle, WA

Software Engineering Intern - Cloud Team

May 2017 - Aug 2017

- Implemented a database to store project resource information to drive resource allocation
- Productionized a service that automatically pushes Google Cloud app monitoring configurations
  - Implemented alerting, monitoring, and a release pipeline in python

### Bloomberg L.P.

New York, NY

Software Engineering Intern - Fixed Incomes Team

Jan 2017 - Apr 2017

- Designed and implemented a bond calculation service that powers terminal's most used feature
  - Created a data pipelines in Python to backfill bond price data in database

### Toast Inc.

Boston, MA

Software Engineering Intern - Enterprise Team

Jan 2016 - Apr 2016

- Built an engine on the back-end to setup and resolve "buy one get one" free discounted orders
  - Designed and developed data models in Java Hibernate to create a minimum viable product
- Built graphs using Google Charts library and jQuery for visualization of restaurant sales metrics
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### CareGuide Inc.

Toronto, ON

Software Engineering Intern - Growth Team

Apr 2015 - Aug 2015

- Led implementation of a new metrics dashboard using Grafana, Graphite, InfluxDB for board members

- Automated database backup and encryption Cron job using AWS and SHA-256
- Implemented UI designer's mockups of new email interfaces on the Rails application