CHRISTOPHER **CHANG**

email@gmail.com | 911-123-1234

**Education**

**University of Waterloo,** Sept 2014 - Apr 2019

**Bachelor of Computer Science**

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

**Skills**

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

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

**Professional Experience**

**Flexport** Sept 2018 – Dec 2018, San Francisco, CA

Software Engineering Intern - Client Application Team

* 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 (now Meta)**

May 2018 – Aug 2018, Menlo Park, CA

**Software Engineering Intern - Audience Insights Team**

* 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** May 2017 – Aug 2017**,** Seattle, WA

**Software Engineering Intern - Cloud Team**

* 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.**

January 2017 – May 2017**,** New York, NY

**Software Engineering Intern - Fixed Incomes Team**

* 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.**

January 2016 – May 2016**,** Boston, MA

**Software Engineering Intern - Enterprise Team**

* 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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