

# Ian Hu

✉ ianhu952@hotmail.com

🌐 ianhu.ca

☎ (650) 709-3759

in ianhuca

🔗 ian952

## Skills

### LANGUAGES

Python

Scala

C++

Objective-C

Go

JavaScript

Java

Ruby

### FRAMEWORKS & LIBRARIES

iOS

React

Node

TensorFlow

Rails

gRPC

### DATABASES

MongoDB

PostgreSQL

SQL Server

Redis

### TOOLS

AWS

Docker

Git

Mercurial

## Education

### University of Waterloo

Bachelor of Software

Engineering 2020

91% · 3.9 GPA

Dean's Honours List

## Work Experience

### Databricks

Software Engineer

Oct. 2022 - Current  
Mountain View, California

- Reduced the latency of workspace provisioning by over 80% by designing a new warmpool system to pre-create time consuming resources

### Facebook

Software Engineer · Ads Optimization Products

July 2020 - Oct. 2022  
Menlo Park, California

- Developed a new Ads ranking solution optimizing for deep funnel events; worked on the full end-to-end solution from custom data pipelines for model training to online serving in the complex ads delivery system
- Improved the Lookalike model training system by migrating to a privacy aware storage, and reducing the time spent on training by over 90%

### Google

Software Engineering Intern · YouTube Ads

Sept. 2019 - Dec. 2019  
Mountain View, California

- Automated user profile model retraining setup process, reducing the time it takes to add a model to the retraining pipeline from weeks to hours
- Integrated the retraining pipeline with a new workflow management service to provide better failure handling and job scheduling

### Facebook

Software Engineering Intern · Facebook Connectivity

Jan. 2019 - Apr. 2019  
Menlo Park, California

- Implemented network service chaining on top of Open vSwitch for the open-source project, Magma, to allow dynamic service configurations from the cloud
- Improved usage reporting accuracy of the Policy Charging and Rules Function system by implementing asynchronous session termination and flow deletion

### Google

Software Engineering Intern · Gmail

May 2018 - Aug. 2018  
Waterloo, Ontario

- Designed and shipped content insertion feature for Gmail add-ons in iOS Gmail - allowing users to insert HTML content into the email using third-party add-ons during email composition

### Wish

Software Engineering Intern

Sept. 2017 - Dec. 2017  
San Francisco, California

- Built and maintained API and webhook integrations with shipping companies and third-party providers that processed millions of shipping updates daily
- Developed internal tools for batch modification of tracking information

### Remind

Software Engineering Intern

Jan. 2017 - Apr. 2017  
San Francisco, California

- Integrated Appboy with the Ruby on Rails backend to track user events and trigger campaigns to send emails and push notifications
- Created a monitoring service in Ruby for funnel metric anomaly detection

### Ivy Global

Software Engineer

Feb. 2016 - Dec. 2016  
Toronto, Ontario

- Created a personalized study plan feature by analyzing over 7 million questions
- Developed a central login portal for all Ivy Global services utilizing OAuth 2.0

## Awards

Canadian Computing Olympiad · **Bronze Medalist**

May 2015