

Ian Hu

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Skills

LANGUAGES

Python
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

Facebook

Software Engineer · Ads Optimization Products
Python, C++

July 2020 - Current
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
Python

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
Python, C++, Go, gRPC, Software-Defined Networking

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
Objective-C, Java, gRPC, iOS

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
Python (Tornado), JQuery, MongoDB

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
Ruby (Rails), React, Go, PostgreSQL, Redis

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
ASP, Node, VBScript, JQuery, SQL Server

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