

Julian Ho

415 South Street, Waltham, MA | julianho@brandeis.edu | (857) 218-0940

Education

Brandeis University, Waltham, MA

BS in Computer Science

Expected May 2021

Dean's List (Spring '18, Spring '19, Fall '19)

Relevant Coursework: *Software Engineering for Scalability, Structure & Interpretation of Computer Programs, Database Management Systems, Software Entrepreneurship*

Technical Skills

Programming: Go, Java, Ruby, Python, Scheme, SQL

Tools: Git, Docker, Kubernetes, Grafana, Prometheus, Concourse, MySQL, Zsh

Softwares: Sketch, Invision, Adobe Creative Suite, AutoCAD, PTC Creo

Work Experience

DigitalOcean, Cambridge, Massachusetts

Cloud Engineering Intern - Network Services

Jun 2019 - Present

- Summer internship at DigitalOcean, a leading SaaS platform, between June to August
- Designed and implemented a high-performance MAC address generation microservice for regionalized distribution of MAC addresses. The service is capable of generating 10 million unique addresses per second on a dual-core machine
- Implemented a feature that allows a distributed IP address management (IPAM) system to handle the ability to create/destroy floating IP addresses across all 14 data centers globally
- Interned remotely part-time from September 2019 onwards. The only non-penultimate year Summer Intern offered to return to work for the Network Services team
- Facilitated monitoring/alerting for rollout of IPAM 1.5, which included a live migration of over 6 million unique private IP addresses to new subnets across all data centers

Lalamove, Hong Kong

Software Engineering Intern - Backend & Infrastructure

Jul - Aug 2018

- Summer Internship at Lalamove, the second largest on-demand logistics startup in Asia with unicorn status
- Refactored the core API service (> 50,000 Loc) for retrieving configuration from PHP to Go
- Investigated and resolved high latency problem in the core MySQL database in production
- Instrumented the Node.js API with prometheus for improved error analysis
- Designed and implemented a testing tool for creating and running REST tests written in JSON, which supports simulating concurrent users and sequential operations on database

Pakpobox Technology, Hong Kong

Full-Time Intern

Aug - Dec 2017

- 5-month full-time Internship at Pakpobox, a tech-logistics start-up providing smart locker solutions in Hong Kong and other Asian locations. A 2019 Deloitte Hong Kong Tech Fast Top 10 company.
- Strategized with brand consultant agency to create a new brand identity for the company
- Developed the flow, UI/UX, and logic of brand's new mobile app for iOS using Sketch
- Contributed in pitchings for accelerator funds, as well as assisting the due diligence process that leads to the closing of USD1.2M pre-series A finance from Infinity Venture Partners, Aria Group, SQ Capital, Betatron
- Acquired new locations in Hong Kong to expand market share (since expanded 170%)
- Worked with potential business partners in leveraging current business platform for future services

School Activities

Teaching Assistant - Software Engineering For Scalability

Jan 2020 - Present

Teaching Assistant - Data Structures and Fundamentals of Computing

Sept 2019 - Dec 2019

Brandeis "DeisHacks" 19" Hackathon - 1st runner-up

Jan 2019