



EXPERIENCE **Front-end Engineer Intern**

09/2020 - present

Tripli.com, a pre-seed startup focusing on integrating deal-hunting and automated travel planning.

- Designed and implemented the landing page using Angular
- Redesigned MVP user experience with Balsamiq by conducting competitor analysis and UX research
- Conducted A/B testing for the new design and boosted conversion rate from 14.8% to 17.1%

Software Engineer Intern

01/2020 - 02/2020

Hosta Labs, a Boston-based AI startup creating digital twins of built spaces from a single image

- Managed an intern team of 3 to develop data pipelines that digest spatial coordinates in JSON format provided by the computer vision system
- Designed the system architecture for automated 3D modeling
- Delivered a system using REST API to automatically generate 3D models in Autodesk Forge and Autodesk Revit

Research Assistant

02/2019 - 06/2020

Computation Design Lab, MIT

- Automated 3D scan data processing for a World Heritage Sites catalog (<http://designheritage.mit.edu>)
- Invented a panorama photogrammetry workflow with significant improvements over the major method used (fish-eye lens photogrammetry) in the lab. The new workflow improved model quality substantially and reduced site visits to recapture missing data
- Designed AR/VR user interfaces and content for project exhibitions.

Research Assistant

03/2017 - 06/2017

Department of Architecture, The University of Hong Kong

- Cataloged more than 2,000 books as part of the Kenneth Frampton Architectural Collection
- Developed automated web scraping script that expedites recording the books' metadata, minimizing manual data entry required to just ISBN
- Speeded up the cataloging process significantly by eliminating 90%+ of manual data entry

EDUCATION **Massachusetts Institute of Technology** M.Sc. (Dual degree)

2020

Computer Science and Design Computation

- Cumulative GPA: 4.9/5.0
- 2018-2020 MIT Graduate Fellowship

Key courses: Intelligent Multimodal User Interfaces, Interactive Data Visualization, Advances in Computer Vision, Artificial Intelligence, Modeling with Machine Learning

Thesis: Evaluating Spatial Knowledge Acquisition in Virtual Reality

The University of Hong Kong

B.A. (First Class Honor)

2017

Architectural Studies

- Cumulative GPA: 3.73/4.3

SKILLS Technical: Python | Angular | Javascript | Typescript | CSS | HTML | D3.js

Creative: Adobe Photoshop/Illustrator/InDesign/XD | Figma | Unity | 3D modeling | 3D printing

LANGUAGE Mandarin (Native) | English (Professional) | Japanese (Intermediate)

INTERESTS Gaming, Stage Design, Voluntourism