

# Ao Li

## Frontend Web Developer / UX Engineer

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*A tech-holic bridging technology and aesthetics, seeking data-driven, user-centric technology and design solutions*

## SKILLS

### Coding

- **Front End:** CSS, HTML, Javascript
- **Frameworks:** React, jQuery, D3.js, Bootstrap
- **Backend:** Javascript, Python
- **Database:** MongoDB, MySQL
- **Other:** C#, Tensorflow Keras

### Design

- **UX Design:** Figma, Sketch, Adobe Suites
- **3D-Modeling:** Rhino + Grasshopper, Blender
- **General Design Skills:** Hand Sketching, Fast Iteration
- **Other:** Parametric Thinking

## EDUCATION

### Harvard University

Graduate School of Design

Design Studies -- Technology, Cambridge | 2017.09 - 2020.05

#### Key Course Taken:

- Data Visualization
- Introduction to Data Science
- Data Science Advanced Topics
- Computational Design
- Introduction to Machine Learning (MIT cross-registration)

#### Featured Projects:

- **Graph to Plan:** A deep learning model using Graph Convolutional network to translate a graph into a floor plan
- **QI:** An AR prototype for visualizing spatial environmental data

### MIT Professional Certificate

Full Stack Development with MERN

Online, in progress | 2021.08 - 2022.05

### Udemy Bootcamp

Full Stack Web Developer 2021

Online | 2021.07 - 2021.10

- Built, tested and deployed a web application with full CRUD and user authentication & authorization functionalities, using the MERN stack

### LaiOffer Bootcamp

AI and Data Engineering

LaiOffer online | 2020.05 - 2020.10

## EXPERIENCE

### Frontend Developer / Internal Tools

Transsolar.Inc, New York | 2020.07 - present

- Setting up pipelines for collecting, cleaning, analyzing and visualizing data on daily basis
- Created a web application using React and D3.js for filtering and visualizing weather data, improved the climate analysis efficiency by over 30% for the engineering team
- Developed a front-end tool for quicker input looking-up and comparison, using jQuery and D3.js, saving over 50% time needed for a typical simulation workflow

### Freelance Frontend Developer

Place.Int, Shanghai | 2020.01 - present

- Implemented a client-side data dashboard, using Three.js and jQuery, to visualize real-time customer data from backend API for a commercial real-estate company, improved the decision making process based on related data