





Ying Huang

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Phone: 424-402-7405 

Chicago, Illinois (Willing to relocate) 

Personal Website 

GitHub 

Front End Developer

[Portfolio Website](#)

Inventive Front-End Developer with broad expertise in UI/UX & Design, JavaScript/ES6/ES2017 areas with willingness to learn and master Back-end Development and Web Servers Administration.

TECHNICAL SKILLS

Front End

- Node.js NPM, ASP.NET MVC
- CSS3, ES6/ES2015, JQuery
- AngularJS, Typescript
- ReactJS, Redux, RequireJS
- Socket.io, Underscore.js, WebGL

Database

- MySQL, ORD, PL/SQL
- PostgreSQL, ClearDB
- Cloud Tech/ Firebase, Heroku

Back End

- Java, C#, Python, VB.NET
- Flask

Other

- Unity
- Oculus developer(VR), Magic Leap(AR)
- Machine learning/Tensorflow
- Adobe Suite

PROJECTS

Music Board--Visualize the music--

2019.12

- Use ES6 and jQuery achieving the event binding of 68 elements, and optimize MVC and test by Devtool let the event response speed reach an average of 0.2ms.
- In a single-page application, reach the 3D dynamic animation effects by advanced CSS and HTML.
- Simultaneous control of cursor and keyboard attained interactive and immersive UX.

Airplane Game--Easy-breezy play--

2020.01

- Combine JS algorithm and the window keyframe to achieve dynamic movement of objects, and strengthen UI smoothness.
- Life-cycle control of each DOM element by creating timers, ensuring minimal memory use and response time.
- Original graphical design and media-making.

Weather Card--Collect the card--

2020.03

- Created a weather search engine in React, Node.js, to allow users to obtain weather data and predictions around the world.
- By integrating geolocation, weather data, and image association APIs, in one search users can get all information in an interactive card module.
- Combine Chart.js and JSON data to create a real-time weather forecast for the next 24 hours.

10000-Hour Practice--Master a skill--

2020.05

- Built a large time span (can be large as 10000 hours) productivity application with ReactJS and Material-UI for time management and skill practice.
- Using cloud tech Firebase for user registration and real-time data storage and acquisition.
- The server records the time spend on each project by days, and perform data analysis in a chart.

2020.07

Recipe Search--Save favorites food--

- Built a recipe search application by AngularJS and Python-Flask for users to login and save their favorite recipe.
- Connected the frontend/backend by creating REST API and Http request to accept/respond to the search query from the client.
- Separate frontend and backend in each user session to achieve responsive smooth UX, meanwhile synchronize data at server side.
- Embed MySQL to Flask and use ClearDB to store user data.

2018.12

Unity&VR Art Gallery/Team work

- Built an art gallery VR scenes by Unity and C#, combined with Oculus VR components.
- Elasticsearch to run Big Data analysis for the works of artists based on relevance and popularity.

EXPERIENCE

Freelance Web Developer

Chicago, IL
2020

- Restaurant/ Health center website
- Online application development

Architect

SmithGroup
Chicago, IL
2019-2020



- Build VR/Unity visualizing scene
- Architecture parametric design
- Write Installation design code

EDUCATION

University of California, Los Angeles

Los Angeles, CA
2018-08 - 2019-06

Master's in Architectural and Technology

1. Learning Unity and C# 
2. Machine learning, Neural style transfer 
3. Using VR/AR technology to create mixed reality application

Harbin Institute of Technology

Harbin, China
2013-09 - 2018-06

Bachelor's in Architecture

1. Head of Algorithm & Digital Design Club
2. Member of the university website design team