

Junhong Wang

☎ (310) 254-5002 ✉ ionejunhong@gmail.com 🏠 ioneone.github.io

EDUCATION

University of California, Los Angeles December 2020
Computer Science, *Bachelor of Science*, GPA: 3.9/4.0
Honors: Dean's Honors List Award

Berkeley City College May 2018
Mathematics, *Associate of Science*, GPA: 4.0/4.0
Honors: Academic Honor Student

SKILLS

Languages JavaScript, Swift, Python, C/C++, Java, Ruby, PHP, MySQL, CSS, Verilog, Bash, x86

Technologies TypeScript, React, ReSwift, RxSwift, Sketch, InVision, NodeJS, Git, AWS, Material UI, mxGraph, WebGL, LWJGL, OpenGL, pygame, Ruby on Rails, Django, JavaFX, scikit-learn

PROJECTS

Museum 3D 2019

- Develop a virtual museum with **JavaScript** and **WebGL**
- Cited by Professor Ridge at Web3D 2019 Conference as an example of "active textbook"
- Implement advanced graphics features such as SkyBox, Water, and Mouse Picking

Glance RMP 2017

- Build a Google Chrome Extension app in a team of 2
- Help students choose their courses more effectively
- Automatically search ratings of professors with scraping in **JavaScript**

PUBLICATION

Machine Learning Diary 2018

Medium

- Learn machine learning from beginning for 100 days in a row and record my learning process
- Cover topics such as regression, classification, SVM, neural network, PCA, YOLO, CNN, and RNN

LANGUAGES

English, Japanese, Chinese

EXPERIENCE

Software Engineer Intern April 2019 – PRESENT
The B. John Garrik Institute for The Risk Sciences

- Develop a system reliability analysis web application for NASA's JPL with **React**
- Develop a human reliability analysis web application for Japan's Nuclear Regulation Authority with **React**
- Enable probabilistic risk modeling techniques to be applied in the different individual domains of the system from traditional techniques using Excel sheets
- Build user interfaces for event modeling using mxGraph
- Migrate 80% of the code base from JavaScript to **TypeScript**

iOS App Developer Intern July 2018 - September 2018
teamLab

- Develop a shopping app for Biccamera, a Japanese electronics retailer, in a team of 12 using **Swift**
- Display personalized products based on user preferences and purchase histories
- Rank #23 in App Store for shopping category in Japan
- Implement skeleton views and tutorial pages with **ReSwift** and **RxSwift**

Teaching Assistant January 2018 - May 2018
Berkeley City College

- TA of CIS27 (Data Structures and Algorithms)
- Explain elementary algorithms and create sample final exam
- Hold office hours 8 hrs/week to help students with their homework

Teaching Assistant August 2016 - December 2016
College of Alameda

- TA of PHYS4A (Physics with Calculus)
- Improve class performance by 50%
- Hold homework review session twice a week
- Hold office hours 8 hrs/week to help students with their homework

iOS App Developer Intern June 2016 - August 2016
Maru Me

- Develop a product review app in a team of 2 using **Swift**
- Update designs of buttons and layouts
- Build user profile page from scratch