

Junhong Wang

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EDUCATION

University of California, Los Angeles March 2021

Computer Science, *Bachelor of Science*, GPA: 3.875/4.0

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

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

PROJECTS

Jflix jflix.herokuapp.com 2020

- Develop a movie/TV show collection web application with **GraphQL**, **React** and **TypeScript**
- Allow me to easily share my interests and enrich my social experience
- By product of Getting Started with GraphQL series

Museum 3D intro-graphics-master.github.io/term-project-8/ 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

PUBLICATION

Getting Started with GraphQL 2020

Medium @ionejunhong

- Documented the development process of Jflix
- Published under Better Programming. They find great pieces about tech and help promote them.

Machine Learning Diary 2018

Medium @ionejunhong

- Learned machine learning from beginning for 100 days in a row and recorded my learning process
- Achieved over 2500 views in total

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**
- Increase probabilistic risk modeling efficiency by 50%
- 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
- Held 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)
- Improved second midterm average by 50%
- Held homework review session twice a week
- Held office hours 8 hrs/week to help students with their homework

iOS App Developer Intern June 2016 - August 2016

Maru Me

- Developed a product review app in a team of 2 using **Swift**
- Updated designs of buttons and layouts
- Built user profile page from scratch

LANGUAGES

English, Japanese, Chinese