

EDUCATION

California State University, Los Angeles*Bachelor of Science in Computer Science*

Los Angeles, CA

*Aug 2020 – Jun 2022***Pasadena City College***Math and Technology AA Transfer Degree*

Pasadena, CA

Feb 2018 – Jun 2020

EXPERIENCE

We2Link

Los Angeles, CA

*Agile Software Engineer(React Native/AI(Deep Learning))**Aug 2021 – May 2022*

- **Mobile App Developer:** Speed up the development of IOS and Android app by **Agile method** with implementing many solutions. Tested them on Android and IOS, and reported to the team in every 3 days.
- **UI Animation:** Solely solved the **2D recording animation widget** issues; the team couldn't solve it last year.
- **Deep Learning(NLP):** Created a caregiver AI by a trained **Pytorch** AI model to perform language comprehension tasks to assist traumatic brain injury(TBI) patients for their memory loss problems.

DeepLearning.AI at Coursera (AWS/NLP)

Remote, United States

*Software and Course Quality Assurance(link)**Aug 2020 – Nov 2021*

- **Software Course Designer:** Tested on the Software part and the coding course with a one-week deadline with the manager and the team. Answered questions and explained some NLP course concepts for **60000 students**.

Harvard NLP

Remote, United States

*Pytorch Engineer (Harvard University website link)**Aug 2021 – Jun 2022*

- **Software Engineer:** Rewrote the NLP **Pytorch** code for compatibility version issues, and improved its resource requirement to allow learners, who do not have GPU, to train the model by themselves.

NYU DS-GA 1008 Deep Learning Course by Yann LeCun, etc

Remote, United States

*Course Editor/Open Source Contributor (link)**July 2020 – Feb 2022*

- **Course Editor:** Fixed issues for the **Pytorch** course code to ensure 100% no issue and modified the reading.

PROJECTS

Paddy Disease Detector (Computer Vision, Kaggle link): Built a Paddy disease detector with **97.8% accuracy AI** by myself to classify paddy disease; won 2 bronze medals by Kaggle after getting into the top 5.

Facebook's React.js Computer Vision Project (React.js Deep Learning, GitHub link): A computer vision website can classify 1000 objects, and the Pytorch team pushed the code to be part of **Facebook's code**.

AI Building Damage Detector using Satellite Image (Computer Vision, GitHub link): Trained a **Deep Learning UNet** model to label house damage level on the satellite image.

CART Software for Deaf Students (React.js Material UI V5, GitHub link): Designed and implemented the assistive software, in **React Material UI V5**, for deaf students to understand the class lecture.

AI Colorization Model (Deep Learning, GitHub link): One of the top challenging Deep Learning AI problems on coloring the image back again from black and white with 4 hours of training with V100 GPU.

Full Stack authentication vs authorization profile Website in Es6, Express.js, and MUIv5 React.js (GitHub link): Project for Blue-White Industries company, a security JSON Web Token (JWT) login in and a responsive UI.

SKILLS IN PROGRAMMING LANGUAGES, LIBRARIES, AND FRAMEWORKS

Proficient: Java, Deep Learning, FrontEnd, Web Development, React.js, Redux, Deep Learning

Intermediate: Python, C++, JavaScript(ES5/ES6), Computer Vision, Natural Language Processing, Pytorch, Scikit-Learn, ML Ops, React.js, Express.js, Git, React Native, Unity3D, AWS Cloud, Android Development

Coursera Courses Certifications by Stanford University, UCSD, Deep Learning.ai, etc:

Deep Learning, Machine Learning, Object Oriented Java Programming, etc