

DAVIN SHIH

HCI, MACHINE LEARNING,
SOFTWARE ENGINEERING

denly.github.io

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WORK

CoachUP Inc. as Software Engineer Intern

MAY - JUL 2016

- A platform connecting coach and student. Built a full-stack web app for admins to see historical user feedbacks with statistic info.
- Tech: Ruby on Rails, Node.js, SQL, React.js, Webpack, Cache optimization, MVC, Behavior driven development

Machine Learning Pj. as Computer Scientist

JUN 2016 - CURRENT GPA 4/4 in CS-542 Machine Learning

- A series of machine leaning algorithms to do Classification, Regression, and Cluster on datasets. Like classifying handwriting image to characters, predicting a man may get heart disease or not by attributes.
- Tech: KNN, Random Forest, K means, SVM, Neuron Network, Python, numpy, Scikit-learn.

MeetCute Pj. as Team Leader for 6 members

SEP - DEC 2016

- A cross-platform web&mobile app to message in realtime, browse and edit user profiles. Built Facebook log in, message system, profile system, MongoDB data base, React.js front-end, unit test, acceptance test, UI/UX design. Implemented agile, TDD, and code review procedure.
- Tech: Meteor.js, Node.js, MongoDB, React.js, MVC, MVVM, Distributed data model, Test driven development, Latency compensation (Asynchronous), Materialize Design

Computer Vision Helicopter Tracker Pj. for Blade Inc. as Computer Scientist with 2 mates

NOV - DEC 2016

- A computer vision algorithm to track the helicopter to improve business workflow and replace human power.
- Tech: Background subtraction, Optical flow field, Optical flow tracking, OpenCV, C++, Video processing

Zomida Inc. in Harvard as Software Engineer Intern

AUG - OCT 2015

- Wrote the minimal viable product's front-end and provided UX consulting at Harvard's incubation center.

ACADEMIA

Boston University Computer Science M.S.
MAY 2015 - JAN 2017 GPA 3.56/4

National Taiwan University Biology B.S.
MAY 2009 - JAN 2014

Udacity UX Design for Mobile by Google
FEB 2017

SKILLS

Field

HCI, Machine learning, Full-stack web&mobile app development, Computer vision, UX/UI Design

Programming Language

Python, Java, C++, JavaScript, Ruby, SCSS, Html, SQL

Framework & Software

Meteor.js , Node.js, Ruby on Rails, React.js, Angular.js, MongoDB, MySQL, AWS, Android, Linux, OS X, X Code, OpenCV, OpenGL, Sketch

NOTABLES

Mobile-HCI 2015 "EyeProtector: Encouraging a Healthy Viewing Distance when Using Smartphones" as Third Author

FEB - DEC 2014

- Built an app and a researching method that detect user's viewing distance, warn users to keep safe distance, analyzes user behaviors. Served as third author and researcher.
- Tech: IOS, HCI, OpenCV, Face detection, motion capture, statistics, user study.

U.S permanent resident
Taiwanese Citizen