Wenhe Eric Li

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EDUCATION

New York University Shanghai, Shanghai   August 2016 - May 2020 (expected)
BS Computer Science Major GPA: 3.74/4.0
BS Interactive Media Arts Major GPA: 3.8/4.0
Study Abroad: New York University, New York City   August 2018 – May 2019
BS Computer Science
Coursera Certificate, Online   Fall 2018
Mathematics for Machine Learning: Linear Algebra

PROFESSIONAL EXPERIENCE

Google Code-in 2019, Remote   November 2019 – Present
Mentor
Google Code-in is an annual programming competition hosted by Google LLC that allows pre-university students to complete tasks specified by various, partnering open source organizations.
- Design tasks that could be solved by high school students.
- Mentor students who want to contribute to TensorFlow.js in the Google Code-in contest.

Alibaba, Hangzhou   June 2019 – October 2019
Front-end Developer Intern
Functioned as part of the Design-to-Code group at Alibaba. Focused on building a front-end Machine Learning library that makes inference in browser possible and UI code generation based on UI screenshot.
- Built frontend Machine Learning library used to prevent bouncing behavior and/or decrease bounce rates
- Operated on semantic analysis and pipeline construction for training and deploying models
- Increased front-end developer efficiency by five times

Google Summer of Code 2019, Remote   May 2019 – September 2019
Student Developer, TensorFlow.js
Google Summer of Code (GSoC) is a program sponsored by Google that evolves students contribute to Open Source Project. The overall acceptance rate is *4.1% (1,276 out of 30,922)* and the acceptance rate for TensorFlow is about *2% (31 out of 1,500)*.
- Created solution and API design prior to development
- Discussed designs with community members
- Added web worker support for browser and Nodejs
- Produced automation test solutions for web workers based on Karma
- Made training and inference over JavaScript in multithread possible
- Get Machine Learning *Google Developer Expert* title

ML5, New York City & Remote   February 2019 – Present
Member
ML5 is a library for beginners and creative coders to develop deep learning project within a browser. It is founded by Google TensorFlow.js and NYU ITP. It gets 3k starts in GitHub.
- Designed a CVAE model API for ml5 and provided infrastructure code support
- Trained CVAE model based on Google QuickDraw, and exported it to a browser compatible model
- Refined ml5 documentation and fixed bugs
- Trained CartoonGAN model and designed the model API for ml5

BiggerLab, Shanghai   October 2017 – May 2018
Python Tutor
Bigger Lab is a startup company focusing on teaching Computer Science for the youth.
- Taught courses such as *Syntax of Python, Introduction to Cryptography, Basic Algorithms and Data Structure,* and *Introduction to Developing Games*

RESEARCH

New York University & Nanyang Technology University, Shanghai & Singapore   May 2018 – August 2018
StoryDroid Researcher
StoryDroid is a system we proposed which automatically generates the storyboard for Android apps, and assists different roles to review apps efficiently. Specifically, StoryDroid extracts the activity transition graph and leverages static analysis techniques to

RESEARCH (Cont.)

render UI pages to visualize the storyboard with the rendered pages.

- Worked on the project *StoryDroid: Automated Generation of Storyboard for Android Apps*
- Proposed a solution for generating XML layout code based on given Java UI related code
- Implemented solution by statically rendering the layouts with minimum Java code involved
- Visualize the outcome on web
- Accepted by ICSE2019

Publication

- Sen Chen, Lingling Fan, Chunyang Chen, Ting Su, **Wenhe Li**, Yang Liu, and Lihua Xu. *StoryDroid: Automated Generation of Storyboard for Android Apps*, ACM/IEEE International Conference on Software Engineering 2019, Montreal, Canada

AWARDS & HONORS

- **Google:** Machine Learning Google Developer Expert
- **New York University Shanghai:** Dean's List 2017
- **New York University:** Dean's List 2018
- **PennApps XVII, UPenn:** Top 15% Team, Best use of MongoDB
- **Maker Competition, Tongji University:** Excellence Award
- **StupidHackathon, New York University Shanghai:** Computer Science Award
- **Hack.init, Shanghai Technology University:** Top 10 Team, Best AR App, Best VR App

PROJECTS

Seamless Space, New York City   Winter 2019
- Improved work productivity and efficiency
- Reduced the hassle of switching between different devices while reading content or writing papers
- Controlled Flutter development, user story, and case build up

P5.gif, New York City   Summer 2018
- Assisted users, so they could easily handle GIF related operations
- Captured and exported canvas to GIF
- Authored the image library
- Responsible for API design, automation build, and GIF encoding and decoding

Circle NYU, Shanghai   Spring 2018
- Acted as Fullstack developer
- Used Kotlin as frontend development language and Python-Flask as backend framework
- Developed Android side with database, secure login, data transmitting, IM, and corresponding backend functions
- Set up continuous integration and unit tests

Disco Cube, Shanghai   Spring 2018
- Record Point Cloud from Kinect and save it as trimmed JSON file
- Design animation class and animate the point cloud data
- De-noising skeleton tracking and tracking certain gestures
- Communication between Server and Client
- Woodworks

SKILLS & INTERESTS

- **Software Engineering:** React, Vue, Flask, Flutter, Spring Boot, Nodejs (Koa, Express)
- **Deep Learning:** TensorFlow, TensorFlow.js, NumPy
- **Human-Computer Interaction**: Leap Motion, Kinect, HoloLens, AR/VR, Projection Mapping
- **Programming Languages:** Java, JavaScript, Python, C/C++, Rust, Kotlin, Dart
- **Hardware:** Arduino, Raspberry Pi
- **Languages:** Mandarin Chinese (native speaker), English (fluent)