

WENLONG XIONG

COMPUTER SCIENCE *at the* UNIVERSITY OF CALIFORNIA, LOS ANGELES

GPA: 3.73 | Class of 2018

WORK & EXPERIENCE

Hulu, LLC, Los Angeles, CA

June 2017 – Current

Software Engineering Intern

- + Rewrote testing script in Python that generated headless clients to stress and soak test the Hulu Live TV service
- + Used Apache Aurora to run Docker images containing testing scripts on an Apache Mesos cluster, and used NewRelic to collect log information
- + Created UI for Load testing application using JQuery, Flask, and Redis

Geschwind Neuroscience Lab, Los Angeles, CA

April 2017 – Current

Undergraduate Researcher

- + Implemented autoencoder neural network in Python using Theano and Lasagne to perform classification and denoising on MNIST data set
- + Researched ways to use adversarial redaction neural networks to reduce batch error in biological data

Texas Instruments Inc, Dallas, TX

June 2016 – Sept 2016

Product Marketing Intern

- + Wrote Energia library in C/C++ to provide software support for newly released 4G LTE Evaluation Kit (EVK4) by Telit Communications PLC
- + Communicated with Telit marketers and engineers to plan co-marketing strategy for EVK4 BoosterPack with TI's LaunchPad product line
- + Participated in 2016 TI Intern Design Challenge by creating motion tracker using OpenCV, Python, and infrared emitters

VCLA Research Center, Los Angeles, CA

July 2015 – Sept 2015

Undergraduate Researcher

- + Wrote Python program to generate 3D Maya models from CSV files and use models to perform real-time error checking against robot arm position
- + IEEE ICRA 2016 Paper contributor

Plethora, San Francisco, CA

June 2014 – Sept 2014

Factory Automation Intern

- + Designed, assembled, and tested Beaglebone/Arduino-controlled robots that loaded parts into CNC mills

ACTIVITIES & PROJECTS

UCLA IEEE Student Branch, Los Angeles, CA

July 2015 – Current

External Vice President (Current), Treasurer

- + Communicated with UCLA Electrical Engineering department and other engineering student clubs to shape future direction of student organization
- + Managed organization finances and approved over \$25k of purchases

Startup Fair LA (Bruin Startup Fair), Los Angeles, CA

Aug 2015 – Dec 2016

Main Organizer, Sponsorship Lead

- + Organized 2 bi-annual startup-focused career fairs each with over 35 participating companies and 3 corporate recruiting information sessions

SKILLS

PROGRAMMING LANGUAGES

- | | |
|--------------|---------|
| + Python | + MySQL |
| + C / C++ | + BASH |
| + Javascript | + Lisp |

TECHNOLOGIES & PROTOTYPING

- | | |
|-----------------|----------------|
| + Docker | + HTML / CSS |
| + Keras | + SaltStack |
| + Lasagne | + Flask |
| + Theano | + Arduino |
| + React JS | + Raspberry Pi |
| + Apache Aurora | + BeagleBone |

EDUCATION

- + Algorithm Design & Complexity
- + Artificial Intelligence
- + Computability Theory
- + Computational Genetics
- + Computational Medical Imaging
- + Computer Architecture
- + Computer Graphics
- + Computer Networking
- + Database Systems
- + Data Structures & OOP
- + Logic Design of Digital Systems
- + Machine Learning (In Progress)
- + Operating Systems Principles
- + Intro to Discrete Mathematics
- + Intro to Probability Theory





HONORS

- + Upsilon Pi Epsilon
Computer Science Honor Society

PUBLICATIONS

- + Robot Learning with a Spatial, Temporal, and Causal And-Or Graph
DOI:10.1109/ICRA.2016.7487364

CONTACT INFO

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