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 – Sept 2017
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 adverserial 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
+ C / C++
+ Javascript
+ mySQL
+ BASH
+ Lisp

TECHNOLOGIES & PROTOTYPING
+ Docker
+ Keras
+ Lasagne
+ Theano
+ React JS
+ Apache Aurora
+ HTML / CSS
+ SaltStack
+ Flask
+ Arduino
+ Raspberry Pi
+ 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
+ wenlongx@ucla.edu
+ (650) 862-9170
+ github.com/wenlongx
+ linkedin.com/in/wenlongx