

WENLONG XIONG

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

GPA: 3.61 | CLASS OF 2018

WORK & EXPERIENCE

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
- + Extended TI's online BoosterPack compatibility checker tool functionality

VCLA Center at UCLA, Los Angeles, CA

July 2015 – Sept 2015

Student Researcher, Programmer

- + Wrote Python program to generate 3D models from CSV files
- + Program performed real-time error checking against robot arm position
- + ICRA 2016 Robot Learning Research Paper contributor

Plethora, San Francisco, CA

June 2014 – Sept 2014

Factory Automation, Programming Intern

- + Designed, assembled, and tested automated CNC part-loading structures
- + Programmed Beaglebone/Arduino-controlled robotic systems
- + Tested and optimized in-house CNC-based manufacturing processes
- + Created CAM programs and operated 3-Axis, 5-Axis 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 – Current

Main Organizer, Sponsorship Lead

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

LeapCAD @ LA Hacks, Los Angeles, CA

Apr 2015 – May 2015

Python and Mel Script Programmer

- + Wrote program that manipulated 3D models using LeapMotion API
- + Connected motion capture output with Maya API using Python, MEL, C++

Micromouse Team, Los Angeles, CA

Oct 2015 – May 2015

C++ Programmer

- + Designed and built a rat sized robot that used a modified version of the FloodFill algorithm to navigate a 16x16 maze

SKILLS

PROGRAMMING & PROTOTYPING

- + C / C++
- + Python
- + Java
- + mySQL
- + PHP
- + BASH Shell
- + Arduino
- + TI LaunchPad
- + Beaglebone
- + Raspberry Pi

MODELING & MANUFACTURING

- + Solidworks
- + Inventor
- + Maya
- + HSMWorks
- + 3D Printing
- + CNC Mill
- + Lathe
- + TIG Welding

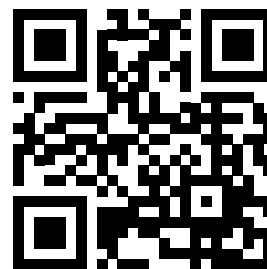
EDUCATION

- + Algorithm Design & Complexity
- + Operating Systems Principles
- + Computer Networking
- + Intro to Database Systems
- + Intro to Computer Architecture
- + Data Structures & OOP
- + Logic Design of Digital Systems
- + Linear Algebra & Applications
- + Differential Equations
- + Intro to Discrete Mathematics
- + Intro to Probability Theory
- + Artificial Intelligence (In Progress)

HONORS

- + Upsilon Pi Epsilon
Computer Science Honor Society
- + Eta Kappa Nu
Electrical Engineering Honor Society

CONTACT & INFO



- + wenlongx@ucla.edu
- + (650) 862-9170
- + github.com/wenlongx
- + linkedin.com/in/wenlongx