

Wenlong Xiong

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github.com/wenlongx

EDUCATION

University of California, Los Angeles

M.S. Computer Science; GPA: 3.93

Sep 2018 - Current

B.S. Computer Science; GPA: 3.76 (*Cum Laude*)

Sep 2014 - Jun 2018

Selected Coursework: Big Data Systems (*IP*), Computational Genetics, Computer Networking, Computer Vision, Databases, Data Mining, Machine Learning Algorithms, Natural Language Processing, Convolutional Neural Networks & Deep Learning, Neural Signal Processing, Reinforcement Learning

SKILLS SUMMARY

Programming Languages: Python, C++, C, Bash, C#, Javascript, Lisp, R

Technologies: Tensorflow, Pytorch, Theano, Docker, Jenkins, Apache Kafka, Apache Aurora, Redis

EXPERIENCE

Microsoft, Software Engineering Intern

Jun 2019 - Current

- Implemented portions of the Azure Instance Metadata Service API in Azure Stack hybrid cloud, and refactored Azure Stack services to reuse components from Azure to reduce code divergence.

Bloomberg, Software Engineering Intern

Jun 2018 - Sep 2018

- Wrote an event ingestion service using Apache Kafka for Instant Bloomberg Chat that checks permissions and filters every message sent from Bloomberg terminals in real time.
- Created a Python utility library that multiple services in the IB Chat team use to read from and write to Kafka topics.

Geschwind Lab, Undergraduate Researcher

Apr 2017 - Dec 2017

- Implemented autoencoder neural network in Python using Theano and Lasagne to perform classification and denoising on gene expression data.
- Investigated novel network architecture that used adversarial networks together with autoencoders to reduce batch error resulting from different gene sequencing technologies.

Hulu, Software Development Intern

Jun 2017 - Sep 2017

- Created internal Python testing tool to generate headless web clients using Apache Aurora that would perform stress and soak tests on the Hulu Live TV service, and generate logs using NewRelic.

Texas Instruments, Product Marketing Intern

Jun 2016 - Sep 2016

- Wrote Energia library in C/C++ to provide software support for newly released 4G LTE Evaluation Kit (EVK4) by Telit Communications.

VCLA Research Center, Undergraduate Researcher

Jul 2015 - Sep 2015

- Created Python scripts to generate 3D Maya models for robot arm trajectory error checking.
- ICRA 2016 Paper: "Robot Learning with a Spatial, Temporal, and Causal And-Or Graph"

ACTIVITIES

Teaching Assistant at UCLA Engineering

Sep 2018 - Jun 2019

ENGR112 (Fall 2018, Spring 2019), ENGR111 (Winter 2019)

- Assisted in preparing course materials, grading and assigning homeworks, proctoring exams, hosting discussion sections and office hours, and teaching review sessions.

UCLA IEEE Student Branch

Jul 2015 - May 2018

External Vice President (2016-2018), Treasurer (2015)

- Communicated with UCLA Electrical Engineering department and engineering clubs to host school wide events, maintain corporate connections, secure funding, and shape the organization's direction.
- Managed organization's finances and approved over \$25k of purchases.

Startup Fair LA (previously Bruin Startup Fair)

Aug 2015 - Dec 2016

Event Organizer (2016), Sponsorship Team Lead (2015)

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

UCLA Upsilon Pi Epsilon

Nov 2015 - Jun 2016

Design Chair