

Zhengxu Xia

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Objective

To obtain a summer internship or a research position in the field of electrical engineering or computer programming that will utilize my academic experience in electrical engineering and computer science.

Education

2013 Fall -Present University of California, Los Angeles, B. S. (expected, June 2017)

Major: Electrical engineering

GPA: 3.66

2010-2013 Jinan Foreign Language School, Shandong, China GPA: 3.8

Research Experience

2015 Fall- now Undergraduate research assistant in Professor Ayodan Ozcan's research group (UCLA)

- Labview programming
- Hardware installation and camera setup configuration

Leadership Experience

2014 Spring Cofounder of Engineers to Entrepreneur

2012- 2013 Monitor of class in high school

2011 winter Organizer of newspaper charity sells and held donation for a sick orphan

Work Experience

2013 Spring Lab assistant at Jinan Foreign Language School

- Helped set up experimental equipment and clean the laboratory

2012-2013 Physics Teaching Assistant, at Jinan Foreign Language School

- Helped 11th-grade students study A-Level Physics and prepared for CIE A-Level Physics Examination.

2015 Spring-now Lab Consultant in Seasnet Computer lab in UCLA Engineering School

- Helped doing consulting jobs at front desk and also did troubleshooting

Awards and honors

02/2012 Ranked Top 20% in American Mathematics Competitions (AMC), Jinan Division

04/2011 Ranked Top 25% in Euclid Mathematics Contest and obtained the certificate

Dean's Honors List: 3 Quarters

Activities and projects

2015-now Association of American Chinese

- Member of Association of American Chinese

2014-2015 IEEE OPS Project

- Simple circuit construction, programming with Arduino and soldering

2015 Fall- now IEEE Natcar Project

- Circuit design for Natcar
- Programming with Arduino to test servo and motor

2015 Winter CS32 C++ Programming projects

- C++ programming projects related to data structure, time performance and search method

2015 Spring CS35L Programming projects

- Programming with bash, python and C and scripts were test and run on linux server.
- Projects topics related to multithreading, system programming, etc

2015 Spring EE113 Matlab project

- Implement a low pass filter for image with FFT and DTFT in Matlab

2015 Spring EE141 Matlab Project

- Use Matlab to improve the work function of a designated feedback system

Specialized Skills

Computer: Experience with Microsoft Word/Excel/PowerPoint, Linux, labview, and Matlab.

Circuit Design: Logism

Programming Language: C, C++, python

Circuit: simple circuit construction, soldering.

Languages: Fluent in Chinese and English