

## Aiwen Xu

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EDUCATION	<b>University of California, Santa Barbara</b> Santa Barbara, CA PhD student, Department of Computer Science	Sept 2018 to current
	<b>New York University Shanghai</b> Shanghai, China B.S., Mathematics B.S., Computer Science Cumulative GPA: 3.968/4.00	Sept 2014 to May 2018 May 2018 May 2018
	<b>New York University</b> New York, NY Study away	Sept 2016 to Dec 2017
AWARDS AND HONORS	<b>Scholarships</b> <ul style="list-style-type: none"><li>Shanghai Municipal Scholarship A very competitive scholarship awarded by the Shanghai government to recognize students with excellent academic performance. Only one student at New York University Shanghai receives this scholarship every academic year.</li><li>New York University Shanghai Freshman Scholarship</li></ul>	2015 2014
	<b>New York University Shanghai Dean's List</b> Awarded to students with a GPA of 3.65 or above over the academic year. <ul style="list-style-type: none"><li>Dean's List for Academic Year</li><li>Dean's List for Academic Year</li><li>Dean's List for Academic Year</li></ul>	2017 2016 2015
	<b>New York University Shanghai Recognition Award</b> Selections are based on many factors including academic performance and campus involvement. <ul style="list-style-type: none"><li>Recognition Award</li><li>Recognition Award</li><li>Recognition Award</li></ul>	2017 2016 2015
RESEARCH EXPERIENCE	<b>Senior Project</b> New York University Shanghai Supervisor: Prof. Keith Ross <ul style="list-style-type: none"><li>Trained an LSTM network and used it as an importance sampling distribution to estimate multidimensional sums and integrals</li></ul>	Aug 2017 to May 2018
	<b>Undergraduate Intern</b> iDVx Lab, Tongji University Supervisor: Prof. Nan Cao <ul style="list-style-type: none"><li>Worked with a Ph.D. candidate to build ECGLens, a visualization system designed to aid doctors to better interpret ECG signals</li><li>Implemented a user study system to evaluate the effectiveness of data glyph design</li><li>Experimented with deep learning techniques in order to automatically generate PowerPoint presentations</li><li>Funded by New York University Shanghai Dean's Undergraduate Research Fund</li></ul>	May 2017 to Aug 2017
	<b>Undergraduate Intern</b> New York University Shanghai Supervisor: Prof. Tim Byrnes	May 2016 to Jul 2016

- Modeled an optimized pulse shape to transfer population between different quantum states with another student, both without prior experience in quantum mechanics
- Compiled a report summarizing the results of the research
- Funded by New York University Shanghai Dean's Undergraduate Research Fund

CONFERENCE  
PUBLICATIONS

1. Ke Xu, Shunan Guo, Nan Cao, David Gotz, **Aiwen Xu**, Huamin Qu, Zhenjie Yao, Yixin Chen. "ECGLens: Interactive Visual Exploration of Large Scale ECG Data for Arrhythmia Detection". *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2018*. **Honorable mention.**

OTHER PROJECTS

**Jumbyrinth**

Fall 2017

Final Project for CSCI-UA 480 Special Topics: iOS Programming

- Developed an iOS maze game in collaboration with another student

TEACHING  
EXPERIENCE

Grader

Fall 2017

CSCI-UA 102 Data Structures

Instructor: Prof. Ernest Davis

Computer Science Department,  
New York University

Teaching Assistant

Spring 2015

Chinese Department,  
New York University Shanghai

COMPETITIONS

Mathematical Contest in Modeling  
Honorable Mention

2017

LEADERSHIP  
EXPERIENCE

Leadership Intern

May 2015 to May 2016

New York University Shanghai Student Life

- Led the year-long Wisdom English Corner (a volunteer program) by collaborating with Pudong Library and VOT

Orientation Ambassador

Aug 2015

New York University Shanghai Student Life

- Worked closely with university staff to implement orientation events to welcome 300 students
- Advised 10 students extensively as a student ambassador

Campus Beautification Committee

Feb 2015 to Jan 2016

New York University Shanghai Student Government

- Initiated the Reflection Room Project to accommodate meditation needs
- Coordinated with Health and Wellness Office and Dean of Students to sort out the logistics

VOLUNTEER  
EXPERIENCE

Volunteer

Sept 2015 to Dec 2015

Chi-Heng Foundation

- Video-conferenced with AIDS-impacted children in remote areas of China once every two weeks

Volunteer

Sept 2014 to Apr 2015

Stepping Stones

- Taught English to AIDS-impacted children in remote areas of China once every two weeks through live video

OTHER CAMPUS INVOLVEMENT	Peer Advisor New York University Shanghai	Sept 2015 to Dec 2015
	<ul style="list-style-type: none"> <li>• Advised two students from the freshman class on academic issues as a peer</li> </ul>	
	Mentee NYU Alumni Executive Mentor Program	Sept 2015 to May 2016
WORK EXPERIENCE	Marketing Intern AEG China	Jun 2015 to Aug 2015
	<ul style="list-style-type: none"> <li>• Conducted live event research into 9 major markets in Asia including China, Japan and Korea</li> <li>• Created seating manifests using Excel VBA for the 3 arenas in Shanghai, Hong Kong and Singapore, each with over 10,000 seats</li> <li>• Assisted in the preparation for Bon Jovi's, Muse's and Taylor Swift's concerts in Shanghai</li> </ul>	
PROGRAMMING SKILLS	Languages:	
	<ul style="list-style-type: none"> <li>• Python, Java, C, JavaScript, Objective-C, Swift, MATLAB, Mathematica and others</li> </ul>	
	Frameworks:	
	<ul style="list-style-type: none"> <li>• PyTorch, TensorFlow</li> </ul>	