

CATHERINE DONG

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EDUCATION

Stanford University, Class of 2016

B.S. Candidate in Computer Science (2016), Artificial Intelligence track

M.S. Candidate in Computer Science (2017), Artificial Intelligence and Human-Computer Interaction dual depth

Relevant Coursework – CS229 (Machine Learning), CS221 (Artificial Intelligence), CS231N (ConvNets and Computer Vision), CS224N (NLP), CS161 (Algorithms), CS109 (Probability), CS110 (Computer Systems), CS147 (HCI), CS274 (Biocomputation), CS142 (Web Apps), CS144 (Networking), PSYCH209 (Neural Networks & Deep Learning)

GPA – 3.88

Oxford University, Trinity Term 2015 Visiting Student, Tutorial in Cognitive Psychology

WORK EXPERIENCE

Facebook

June 2015 – September 2015

Software Engineering Intern

New York, NY

- Developed a ranking algorithm for Nearby Places search results. Evaluated results by launching a controlled user experiment.
- Engineered and trained a classifier to predict the price range of business.

Google

June 2014 – September 2014

Software Engineering Intern

Mountain View, CA

- Constructed pipelines for Street View image processing, specifically photo text transcription and evaluation. Evaluated and refined different transcription methods.
- Worked with large-scale data, machine learning, and computer vision.

Stanford CS Department

March 2014 - present

Section Leader

Stanford, CA

- Section Leader (TA) for the introductory computer science sequence (CS106A/B) at Stanford.
- Teach weekly sections of around 12 students, hold office hours, grade assignments and exams.

Tango

June 2013 – November 2013

Software Engineering Intern

Mountain View, CA

- Write scripts to automate DNS record registration, request routing and load balancing as part of an auto-scaling project.
- Created an automation system for testing and monitoring of the Tango mobile app. Wrote scripts to simulate user behavior on iOS and Android devices.

LEADERSHIP & ACTIVITIES

Business Association of Stanford Entrepreneurial Students (BASES)

September 2014 – present

Operations Officer

Stanford, CA

- Coordinate biweekly professional development workshops, all-hands meetings, and bonding events for 70+ members
- Develop and promote the organization's brand for recruitment.

The Stanford Daily

August 2014 – April 2015

Copy Editor

Stanford, CA

- Edited articles across all sections for grammar, readability, and AP Style guidelines. Finalized articles for publication.
- Headlined articles and captioned photos during the nightly layout process.

Women in Computer Science

March 2013 – March 2014

Event Committee Member

Stanford, CA

- Organize events like panels and mixers to enhance the community of female C.S. students at Stanford and surrounding community.

ADDITIONAL INFORMATION

Projects – “Human Pose Estimation and Activity Classification using Convolutional Neural Networks,” “Mesh: A P2P Mobile Communication Network,” “Predicting Seizure Onset in Epileptic Patients,” “Momentous: journaling through your digital footprint”