Lucy K Tan

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EDUCATION

Case Western Reserve University – Cleveland, OH – B.S. Computer Science (AI minor) – 2017
Stuyvesant High School – New York, NY – High School Diploma – 2012

SKILLS

Java, SQL, Git, Matlab, HTML, CSS, PHP (Laravel), Python (Django), Scala, Swift

AWARDS

Google Firebass Challenge 2016
First 100 people worldwide to complete the challenge for free admissions to Google I/O 2017

Intel Science Talent Search (Westinghouse; Regeneron) 2012 Semi-finalist
Top 300 research papers submitted to nation's most prestigious pre-college science competition

Civic Engagement Scholar 2015 – Certificate of Distinguished Service
Active citizenship and understanding of community issues in partnership with local NPOs

WORK

Software Engineering Intern @ macys.com (San Francisco, CA)   Jun 2016 – Aug 2016
Analyzed customer problems, proposed solutions, and delivered MVP of iOS augmented reality cosmetics application to over 100 executives, managers and macys.com employees.
Delivered alert features for real-time data dashboard via system decomposition and MVC in Scala.

Teaching Assistant @ Case Western Reserve University   Sep 2016 – present
Provide grading for quizzes and office hours for students in Software Engineering (EECS 393/493)

Instructor @ Tech Corps (Cleveland, OH)   Sep 2015 – present
Give weekly lessons on visual programming to 3rd-6th graders, according to national CSTA standards

Instructor @ Girls Who Code (Cleveland, OH)   Sep 2016 – present
Give weekly lessons introducing computer science and programming to a class of middle/high school girls

Research @ Stem Cell and Engineered Novel Therapeutics Lab   Sep 2013 – Aug 2014
Preparation, execution, and analysis of experiments for a vascularized bone tissue engineering project at the Department of Biomedical Engineering at Case Western Reserve University.

Research @ Experimental Pathology Lab (Cleveland, OH)   Sep 2012 – May 2013
Genotyping, breeding, and maintenance of over 800 mice in 50 mice strains at any given time for use in immunology experiments at research hospital of Case Western Reserve University.

Research @ Biomechanics/Mechanotransduction Lab (New York, NY)   Mar 2011 – Dec 2011
Designed and conducted an independent project on the effects of mobile phone radiation at the Department of Biomedical Engineering at Columbia University.

ACTIVITIES

Campus Leader @ Lean In CS&E Campus Leaders Program   Sep 2016 – present
Lead a Lean In Computer Sci/Eng Chapter of small groups to cultivate ideas, support, and growth. Development of leadership, communication, and networking skills.

Mentor @ Women in Science and Engineering Roundtable   Sep 2014 – present
Mentor first-year women undergraduates in STEM fields.

Certified Tax Preparer @ Internal Revenue Service (IRS)   Feb 2016 – present

PROJECTS

Disaster Reporting System (Django application)   Jan 2016 – May 2016
Predicts expected federal aid for households affected by natural disasters, using FEMA open data

Snackr (Laravel application)   Aug 2015 – Dec 2015
Suggests healthy food items based on user's food history, allergies, and recommended daily values

It Takes a Village (Unity3D application)   Jan 2015 – May 2015
Therapeutic game to relieve symptoms of parents suffering from postpartum depression