

Objective	To obtain a software engineering internship for Summer 2016 and to contribute meaningfully to a project while gaining experience in the field of computing and software engineering		
Education	<b>Case Western Reserve University – Cleveland, OH</b> <i>B.S., Computer Science, with additional coursework in Biomedical Engineering</i> August 2012 – January 2017 (expected)		
	<b>Stuyvesant High School – New York, NY</b> <i>High school diploma</i> September 2008 – June 2012		
Projects	<b>It Takes A Village</b> lucyktan.github.io/ItTakesAVillage	Jan 2015 – May 2015 <i>Game Developer and Designer</i>	<ul style="list-style-type: none"><li>A therapeutic game built in Unity3D for parents with postpartum depression</li></ul>
Coursework	<i>Computer Sci.</i>	Matlab, Java, Data Structures, Theoretical Computer Science, Computer Organization Logic Design, Game Design and Implementation	
	<i>Mathematics</i>	Calculus I & II for Engineers, Logic, Multivariate Calculus, Differential Equations, Statistics for Engineering and Science, Discrete Mathematics	
	<i>In Progress</i>	Algorithms, Computer Networks, Operating Systems, Database Systems, Software Engineering	
	<i>Additional</i>	Systems Thinking, Professional Communications, Philosophy, Science and Religion, Bioethics, Memory Illusions, Psychology of Faces, Chemistry of Materials, Organic Chemistry, Polymer Science, Statics and Strength of Materials, Physiology and Biophysics I & II	
Relevant Skills	<i>Primary</i>	Java	
	<i>Proficient</i>	Matlab, LaTeX, Git, C#, C, HTML/CSS, JavaScript, Verilog, Unity3D, Origin, ImageJ	
	<i>In Progress</i>	Python, Linux/UNIX, SQL	
Experience	<b>Alsberg Stem Cell and Engineered Novel Therapeutics Lab</b> Case Western Reserve University – Cleveland, OH	Sep 2013 – Aug 2014 <i>Undergraduate Research Assistant</i>	<ul style="list-style-type: none"><li>Prepared and conducted experiments towards a project on controlled growth factor release via microspheres in 3D cell culture for vascularized bone tissue engineering</li><li>Attended weekly lab group meetings and presented biweekly project reports</li></ul>
	<b>Experimental Pathology Lab in the Dept of Pathology</b> Case Western Reserve University – Cleveland, OH	Sep 2012 – May 2013 <i>Undergraduate Research Assistant</i>	<ul style="list-style-type: none"><li>Genotyped, bred, and maintained over 50 different mice strains to be used in immunology experiments at the Animal Resource Center and Dirty Quarantine Room</li></ul>

**Biomechanics and Mechanotransduction Laboratory***Research Assistant*

Columbia University – New York, NY

Mar 2011 – Dec 2011

- Designed and conducted an independent research project on the effects of mobile phone radiation on human keratinocyte migration *in vitro*
- Received the Intel Science Talent Search (formerly known as Westinghouse) 2012 semi-finalist award

**Activities****Women in Science and Engineering Roundtable (WISER)**

Undergraduate Mentor and Member

Sep 2014 – present

- Mentor first-year undergraduate women in science and engineering
- Provide science experiment demonstrations to young girls in local schools

**Case Emergency Medical Services (EMS)**

Shift Officer

Sep 2012 – May 2014

- Delivered emergency health services to campus community with EMT-Bs
- Measured blood pressure, blood glucose, heart/respiratory rate of patients
- Transported patients to University Hospital or Cleveland Clinic

**Perry Outreach Program**

Selected Participant

Apr 2012 – Apr 2012

- Attended presentations and hands-on workshops (tibia ex-fix, scoliosis correction, fractures) given by orthopedic surgeons at the Hospital for Special Surgery

**CWRU Fencing Club**

Foil Fencer

Sep 2012 – May 2013

**High 5 Teen Reviewers and Critics Program**

Dance performance critic

Mar 2012 – June 2012

- Attended weekly writing workshops and performances in the NYC dance scene
- Wrote and revised literary reviews and critiques on dance performances

**Girls Write Now**

Mentorship Program

Sep 2010 – May 2012

- Performed two readings of original written pieces to audiences of over 100 people
- Attended weekly meetings and monthly writing workshops with professional writers

**Awards**

CWRU Alumni Association Junior/Senior Scholarship

Sep 2014 – present

CWRU University Scholarship

Sep 2012 – present

Intel Science Talent Search Semifinalist

2012

Random House Creative Writing – Honorable Mention for Poetry

2012

Scholastics Art &amp; Writing Awards – Gold Key for Writing Portfolio

2012

Scholastics Art &amp; Writing Awards – Silver Key for Poetry

2012

Scholastics Art &amp; Writing Awards – Silver Key for Poetry

2011

Published in CALIPER (Stuyvesant High School literary magazine)

2011

Published in Girls Write Now Anthology

2011, 2012

**Foreign Languages**

Mandarin Chinese (fluent)

Spanish (proficient)