

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	
Education	Case Western Reserve University – Cleveland, OH <i>B.S., Computer Science, with additional coursework in Biomedical Engineering</i> August 2012 – January 2017 (expected)	
	Stuyvesant High School – New York, NY <i>High school diploma</i> September 2008 – June 2012	
Projects	It Takes A Village lucyktan.github.io/ItTakesAVillage	Jan 2015 – May 2015 <i>Game Developer and Designer</i>
	<ul style="list-style-type: none">A therapeutic game built in Unity3D for parents with postpartum depression	
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 Process</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
Experience	Alsberg Stem Cell and Engineered Novel Therapeutics Lab Case Western Reserve University – Cleveland, OH	
	Sep 2013 – Aug 2014 <i>Undergraduate Research Assistant</i> <ul style="list-style-type: none">Prepared and conducted experiments towards a project on controlled growth factor release via microspheres in 3D cell culture for vascularized bone tissue engineeringAttended weekly lab group meetings and presented biweekly project reports	
	Experimental Pathology Lab in the Dept of Pathology Case Western Reserve University – Cleveland, OH	
	Sep 2012 – May 2013 <i>Undergraduate Research Assistant</i> <ul style="list-style-type: none">Genotyped, bred, and maintained over 50 different mice strains to be used in immunology experiments at the Animal Resource Center and Dirty Quarantine Room	

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

- Mentored first-year undergraduate women in science and engineering
- Provided 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 & Writing Awards – Gold Key for Writing Portfolio

2012

Scholastics Art & Writing Awards – Silver Key for Poetry

2012

Scholastics Art & 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)