

Lucy K Tan

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lucyktan.github.io

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 <ul style="list-style-type: none">A therapeutic game built in Unity3D for parents with postpartum depression	Jan 2015 – May 2015	<i>Game Developer and Designer</i>
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, Multivariate Calculus, Differential Equations, Statistics for Engineering and Science, Discrete Mathematics, Logic	
	<i>In Process</i>	Algorithms, Computer Networks, Operating Systems, Database Systems, Software Engineering	
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 <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	Sep 2013 – Aug 2014	<i>Undergraduate Research Assistant</i>
	Experimental Pathology Lab in the Dept of Pathology Case Western Reserve University – Cleveland, OH <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	Sep 2012 – May 2013	<i>Undergraduate Research Assistant</i>
	Biomechanics and Mechanotransduction Lab Columbia University – New York, NY <ul style="list-style-type: none">Designed and conducted an independent research project on the effects of mobile phone radiation on human keratinocyte migration <i>in vitro</i>Received the Intel Science Talent Search (Westinghouse) 2012 semi-finalist award	Mar 2011 – Dec 2011	<i>Research Assistant</i>
Activities	Women in Science and Engineering Roundtable (WISER) Case Western Reserve University – Cleveland, OH <ul style="list-style-type: none">Mentored first-year undergraduate women in science and engineeringProvided science experiment demonstrations to young girls in local schools	Sep 2014 – present	<i>Undergraduate Mentor and Member</i>