

## Education

### Case Western Reserve University – Cleveland, OH

*B.S., Computer Science, with additional coursework in Biomedical Engineering*

August 2012 – January 2017 (expected)

### Stuyvesant High School – New York, NY

*High school diploma*

September 2008 – June 2012

## Coursework

*Computer Sci.* Matlab, Java, Data Structures, Theoretical Computer Science, Computer Organization Logic Design, Game Design and Implementation  
*Mathematics* Calculus I & II for Engineers, Multivariate Calculus, Differential Equations, Statistics for Engineering and Science, Discrete Mathematics, Logic  
*In Process* Algorithms, Computer Networks, Operating Systems, Database Systems, Software Engineering

## Relevant Skills

*Primary* Java  
*Proficient* Matlab, LaTeX, Git, C#, C, HTML/CSS, JavaScript, Verilog  
Unity3D, Origin, ImageJ

## Projects

### It Takes A Village

Jan 2015 – May 2015

[lucyktan.github.io/ittakesavillage](http://lucyktan.github.io/ittakesavillage)

*Game Developer and Designer*

- A therapeutic game built in Unity3D for parents with postpartum depression
- Produced by 10 game developers and designers, and 5 psychology students

## Experience

### Alsberg Stem Cell and Engineered Novel Therapeutics Lab

Sep 2013 – Aug 2014

Case Western Reserve University – Cleveland, OH

*Undergraduate Research Assistant*

- Prepared and conducted experiments towards a project on controlled growth factor release via microspheres in 3D cell culture for vascularized bone tissue engineering
- Attended weekly lab group meetings and presented biweekly project reports

### Experimental Pathology Lab in the Dept of Pathology

Sep 2012 – May 2013

Case Western Reserve University – Cleveland, OH

*Undergraduate Research Assistant*

- 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 Lab

Mar 2011 – Dec 2011

Columbia University – New York, NY

*Research Assistant*

- 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 (Westinghouse) 2012 semi-finalist award

## Activities

### Women in Science and Engineering Roundtable (WISER)

Sept 2014 – present

Case Western Reserve University – Cleveland, OH

*Undergraduate Mentor and Member*

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

- Visit [lucyktan.github.io](http://lucyktan.github.io) for my full resume -