

## Skills

Programming: Java, Javafx, FXML, Python

Web Development: HTML, Javascript, App Engine, Java Applets, PHP, Wordpress

Graphics and Design: CSS, Typography, Content Layout, Color Palettes, Responsive Pages

Operating Systems: Windows, Android, Linux, Mac OS.

## Experience

CUNY Research Foundation

[May 2014- Present]

### *Front-End Developer*

- Adapting research to create user friendly, cross platform software packages
- Creating an application for use in medical imaging and evolutionary biology
  - Designed the program's look and behaviour through flow graphs, concept drawings, mockups and wireframes
  - Implemented in Java, Javafx, FXML, CSS

### *Research Assistant*

- Investigating computational biology and bioinformatics with Prof. Megan Owen
- Assisting in the creation of new methods for statistical analysis and visualization of non-Euclidean tree space

CUNY Graduate Center

[March 2014- September 2014]

### *Web Developer*

- Created a new Compendium of NP-Optimization Problems -  
<http://np-compendium.appspot.com/>
  - Developed using App Engine, Python, HTML, CSS

### *Undergraduate Researcher*

- Studied applied theoretical Computer Science with Prof. Matthew Johnson
  - Learned computational complexity theory and heuristic algorithms for search and decision problems

Simply Sarah Inc.

[December 2012- February 2013]

### *Web Developer*

- Maintained, developed and designed pages using HTML, CSS, PHP, Wordpress
  - <http://whendogstalk.com/>

Fox Lane High School

[2013 School Year]

### *Lead Android Developer*

- Wrote the the Bedford Central District's first official app with Java, XML

## Education

Lehman College, Bronx, New York

[Graduating Spring 2017]

- Bachelor of Science in Computer Science
- Scholars Program

## Certification and Awards

Google	Android Dev Certificate	2015	[In progress]
Rochester Institute of Technology	Computing Medal	2012	
Fox Lane High School	Computer Science Award	2011	2012

### Club Activities

- Fox Lane Robotics
  - Elected Vice President
  - Competed in the National Robotics Challenge
    - Non-tactile Mazebot team member 2009 - 2010
    - Heavyweight Sumo team member 2011 - 2013
    - Tactile Mazebot captain 2010 - 2011
    - Mini-Sumo team captain 2011 - 2013
- Fox Lane Computer Science
  - *Founder* of my High School's first club dedicated to programming and Software Engineering
    - Vice President 2011 - 2012
    - President 2012 - 2013

### Recommendations

- Sarah Hodgson Simply Sarah Inc. ([wheredogstalk.com](http://wheredogstalk.com))
- Matthew Johnson CUNY Graduate Center
- Megan Owen CUNY Lehman College
- Sean Cleary CUNY City College

### Languages

- Spanish Native
- English Fluent
- French Moderate
- Japanese Beginner