

Experience

- CUNY Research Foundation, City College [May 2014- Ongoing]
 - *Research Assistant*
 - Investigating computational biology and bioinformatics with Prof. Megan Owen. Helping to create new methods for statistical analysis and visualization of non-Euclidean tree space to facilitate applications in medical imaging and evolutionary biology.
 - *Front-End Developer*
 - Adapting Owen's previous work to create user friendly, cross platform software package.
 - Designed the program's look and behaviour from the very beginning through concept drawings, mockups and wireframes.
 - Final design implemented in Python, Java, Javafx, FXML, CSS.
- CUNY Graduate Center [March 2014- September 2014]
 - *Undergraduate Researcher*
 - Studied applied theoretical Computer Science with Prof. Matthew Johnson. Learned computational complexity theory and heuristic algorithms for search and decision problems.
 - *Web Developer*
 - Created a new Compendium of NP-Optimization Problems
 - <http://np-compendium.appspot.com/>
 - Used Website and Database technologies
 - App Engine, Python, SQL, HTML, CSS
- Simply Sarah Inc. [December 2012- February 2013]
 - *Web Developer*
 - Webpage design, creation, and maintenance.
 - <http://whendogstalk.com/>
 - Used Website development and design technologies.
 - HTML, CSS, PHP, Wordpress.
- Programmer at Fox Lane High School [2013 School Year]
 - *Lead Android Developer*
 - Creation of the school's first official app.
 - Android development with Java, XML.

Education

- Lehman College: Computer Science B.S. class of 2017.
- Fox Lane High School: Graduated with Honors Designation in 2013

Awards

- Lehman Scholars Program- Scholarship 2013
- RIT Computing Medal 2012
- Fox Lane HS Computer Science Award 2011, 2012

Club Activities

- Fox Lane Robotics
 - *Vice President* 2011-2012
 - 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*
 - Vice President 2011 -2012
 - President 2012-2013
 - Lead Android developer 2011-2013

Computer Skills

- Programming
 - Python
 - Java
 - C++
 - SQL
- Web Development
 - HTML
 - Javascript
 - Java Applets
 - PHP
 - Wordpress
- Graphic, Web Design
 - CSS
 - Typography
 - Content Layout
 - Color Palettes
 - Responsive Design

Recommendation

- Sarah Hodgson, Simply Sarah Inc. (wheredogstalk.com)
- Matthew Johnson, CUNY Graduate Center
- Megan Owen, CUNY Lehman College
- Sean Cleary, CUNY City College

Languages

- Spanish
- English
- French
- Japanese- Beginner.