

Work

- Undergraduate Research at CUNY Graduate Center
[Ongoing]
 - Assisting Professor Matthew P. Johnson
 - <http://comet.lehman.cuny.edu/mjohnson/>
 - Investigating applied theoretical Computer Science
 - Understanding computational complexity theory and heuristic algorithms for search and decision problems.
 - *Web Developer*
 - Creating a new Compendium of NP-Optimization Problems
 - <http://np-compendium.appspot.com/>
 - Website and Database development
 - App Engine, Python, SQL, HTML, CSS
- College Assistant at CUNY Lehman College
[Ongoing]
 - Assisting Professor Megan Owen
 - <http://comet.lehman.cuny.edu/owen/>
 - Investigating computational biology and bioinformatics.
 - Creating new methods for statistical analysis and visualization of non-Euclidean treespace
 - Facilitating applications in medical imaging and evolutionary biology
 - *Client-Side Developer*
 - Adapting Owen's previous work to create user friendly software packages.
 - <http://comet.lehman.cuny.edu/owen/code.html>
 - Python, Java, Javafx, FXML
- Simply Sarah Inc. [December 2012- February 2013]
 - *Web Developer*
 - Webpage design, creation, and maintenance.
 - <http://whendogstalk.com/>
 - HTML, CSS, PHP, Wordpress
- Programmer at Fox Lane High School [2013 School Year]
 - *Lead Android Developer*
 - Creation of the school's first official app.
 - Java, XML

Education

- Lehman College, Bronx, New York: 2013-Current
 - Computer Science B.S.
- Fox Lane High School, Bedford, New York: 2009-2013
 - Honors Designation
- Manhattanville College, Purchase, New York: Summer of 2008
 - MPALS Program Participant
- Java, XML

Awards

- FLHS Computer Science: 2011.
- FLHS Computer Science: 2012.
- RIT Computing Medal: 2012.
- Lehman Scholars Program- Scholarship: 2013

Volunteering

- Mt.Kisco Elementary School: Summer of 2009
- Neighbor's Link: Spring of 2013

Club Activities

- Fox Lane Robotics 2010-2013
 - Non-tactile Mazebot team member 2009-2010
 - Heavyweight Sumo team member 2011-2013
 - Tactile Mazebot captain 2010-2011
 - Vice President 2011-2012
 - Mini-Sumo team captain 2011-2013
- Fox Lane Computer Science-
 - Vice President 2011 -2012
 - President 2012-2013
 - Lead Android developer 2011-2013

Computer Skills

- Proficient in the Microsoft Office Suite.
- Programming knowledge.
 - Python
 - Java
 - C++

- SQL
- Website Development and Design.
 - HTML
 - CSS
 - Javascript
 - PHP
 - Wordpress
- Graphic, Web Design
 - Typography
 - Content Layout
 - Color Palettes
 - Responsive code for multiple screen sizes
- Network wiring and setup
- Building and Fixing computers, piece by piece
- Projector and printer installation and wiring
- Experienced in both Windows and Linux platforms

Recommendation

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

Languages

- Spanish
 - Native tongue
- English
 - 12+ years, Fluent
- French
 - 6 Years
- Japanese
 - Fall of 2013-Present