

**Shoshana San Solo**  
711 W 190<sup>th</sup> Street Apt 2H  
New York, NY 10040  
(305) 772-2893/shanisansolo@gmail.com

## **EDUCATION**

Dual Bachelor of Science and Bachelor of Arts Degree Program

Columbia University, The Fu Foundation School of Engineering and Applied Science, New York, NY

Bachelor of Science, Biomedical Engineering, May 2015, GPA: 3.44

Awards: Dean's List, 2014- 2015

Yeshiva University, Stern College for Women, New York, NY

Bachelor of Arts, Physical Sciences, May 2013, GPA: 3.74

Awards: Excellence in Physics, 2014; Dean's List, 2010-2011; Community Service Award, 2009

Studies Abroad: Michlelet Mevaseret Yerushalayim, Israel, 2009-2010

## **RELEVANT COURSES**

Quantitative Physiology, Fluid Mechanics, Engineering Mechanics, Fluid Biomechanics, Electrical Engineering, Statistics, Solid Mechanics, Thermodynamics, Entrepreneurship in Biotechnology, Brain Computer Interfaces, Biomedical Engineering Lab

## **SKILLS**

**Computer:** Matlab, Creo, SolidWorks, C++ programming, ImageJ Analysis, Excel, PowerPoint, and Word

**Lab Skills:** PCB, solder iron, vernier calipers, force sensors; calorimeter, centrifuge, mass spectrometer, inverted microscope, strain gauge, 3-point bending mechanical testing device, hemacytometer

## **RELEVANT EXPERIENCE**

***Intern, Soterix Medical, New York, NY, October 2015-Present***

- Developed clinical evaluation reports and new medical device submissions for transcranial direct current stimulation devices
- Classified non-invasive medical devices according to European and Canadian standardized codes

***Teacher's Assistant, Hypothekids Maker Lab, Columbia University, New York, NY, August 2015***

- Guided high school students in biodesign projects by managing equipment and assisting in experiments
- Helped teach fundamental information required for design projects

***Research Intern, Bar Ilan University, Israel, June 2012-August 2012***

- Developed and used coated gold nanoparticles in actively targeting cells in order to promote early cancer detection with CT imaging tools
- Created an abstract to summarize findings

***Peer Tutor, Yeshiva University, New York, NY, January 2012-May 2013***

- Assist undergraduates in various Calculus courses during one-on-one weekly sessions
- Review homework and study material with students to prepare for their exams

***Lab Assistant, Yeshiva University, New York, NY, September 2012-May 2013***

- Assist undergraduate students in managing lab equipment
- Help students grasp basic concepts in physics and apply methods to their everyday lives

## **OTHER EXPERIENCE**

***Assistant Program Director/Coordinator, Yachad, New York, NY, 2011-Present***

- Supervise staff in planning weekend activities and oversee progress of staff at activities
- Support children and teenagers with developmental disabilities on weekend social mainstreaming retreats
- Worked as a team to integrate members into host communities; foster a better understanding of this population and their needs

***Counselor, Camp Hebrew Academy for Special Children, Parksville, NY, Summers 2009 - 2011***

- Supervised children and adolescents with special needs in overnight facility
- Monitored the medical care and equipment of campers utilizing wheelchairs, VNS, orthotics, and prosthetic limbs
- Accompanied campers to physical and occupational therapy sessions and assisted therapists as requested during treatments