

## Aria Pearlman Morales

Cell: 713-204-5528  
[aria.pearlmanmorales@yale.edu](mailto:aria.pearlmanmorales@yale.edu)

206 Elm St. #200142  
 New Haven, CT 06520 USA

### Education

#### **Yale University**

Bachelor of Science in Biomedical Engineering, Pre-medical track Expected May 2018  
 Cumulative GPA: 3.44/4.00 Engineering GPA: 3.5/4.00

#### **Relevant Coursework**

Inorganic Chemistry I & II with labs, Organic Chemistry I & II with lab, Cell Biology and Membrane Physiology, Physics I and II with lab, Physiological Systems with lab, Differential Equations, Multivariable Calculus, Biomedical Computations, Biochemistry, Biomedical Engineering lab, Biomechanics

Language Skills: Fluent in English and Spanish

Computer Skills: Very experienced in Matlab, experienced with Python, and Processing,

### **Work Experience**

#### **Guo Laboratory, Student Research Assistant**

June 2016 – present

Yale University Stem Cell Center, New Haven, CT

- Created a mathematical model of protein kinetics using Matlab in order to engineer a fluorescent cell cycle speed tracker
- Gained wet bench experience as well as used flow cytometry, live cell imaging techniques, transfection, PCR, and virus making in order to synthesize a DNA construct using proteins predicted by the model

#### **Eagleman Laboratory For Perception and Action, Student Intern**

January 2014

Baylor College of Medicine, Houston, TX

- Created computer programs (Matlab, Processing, Python) to collect sensory data for the lab's VoiceVest project which aims to allow deaf people a new type of sensory perception through sensory substitution.

#### **Peabody Museum Entomology Department,**

September - 2015 - present

*Student Museum Assistant, Tour Guide*, New Haven, CT

- Identified and cataloged a variety of different insect species into the museum's EMu system, as well as organizing and consolidating the museum's existing collection. (8-10 hours per week)
- Gave educational departmental tours to the public groups of all ages and academic backgrounds

### **Extracurricular Involvement**

#### **Yale Varsity Women's Soccer Team, Division I Athlete**

August 2014 - present

- Dedicate 20+ hours per week to training and games in NCAA Division I.

#### **HAVEN Clinic, Volunteer Interpreter, Fair Haven, CT**

Spring 2015 – present

- Volunteer directly translating between Spanish and English for a team of doctors working with local Spanish speaking patients in a free clinic (6 hours per week)

#### **Pi Beta Phi Sorority, Yale Chapter, Member**

Spring 2015-present

- Participated in philanthropy and social events, attended weekly chapter meetings