

# SHELDON E. SAGEHEN

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## Education

Pomona College, Claremont, CA

### Bachelor of Arts in Mathematics, Minor in Studio Art

May 2017

- Coursework: Genetics, Cellular Biology, Chemistry, Calculus II, Calculus III, Linear Algebra, Differential Equations, Analysis, Black and White Photography, Wood Sculpture, Acting
- GPA 3.8/4.0

## Research Experience

### Ascarylose Protein Expression, Pomona College, Claremont, CA

June – Aug 2015

- Express proteins involved in Ascarylose synthesis pathway for structural analysis to investigate composition of permeability layer in *C. elegans* egg assisting Professor Sara Olson at Pomona College in the Biology Department

### Heparan Sulfate Proteoglycan Detection in *Drosophila*, Pomona College, Claremont CA

July – Aug 2014

- Investigated location of HSPGs in *drosophila* to aid in the study of neural cell regeneration under Professor Karl Johnson at Pomona College in the Neuroscience Department
  - Generated, collected and analyzed data, along with designing experiments
  - Work was presented at Pomona College Summer Research Conference for both projects

## Leadership Experience

### Cellular Biology Course Mentor, Pomona College, Claremont, CA

Jan – May 2015

- Mentored minority students in the sciences
- Directed tutoring sessions for minority students taking Cellular Biology to provide additional academic resources and emotional support

### Special Event Coordinator, Student of Color Alliance, Pomona College, Claremont CA

Oct 2014

- Designed and distributed advertisement for a Murder-Mystery event
- Participated in a team of students to organize and implement all aspects of the event

### Special Events Photographer, Pomona College, Claremont, CA

Nov 2014

- Photographed visitors at Pomona College's Studio Art Building Grand Opening
- Communicated information about the new studio art building to visitors

### Vice President of Key Club, La Quinta High School, La Quinta, CA

Sept 2012 – June 2013

- Connected with community organizations to establish volunteer opportunities for high school students
- Tracked finances, donations, and entertainment for annual fundraising event

## Activities

- |  |                     |
|--|---------------------|
| • High Achievement and QuestBridge Mentor, Claremont, CA                   | Aug 2014 – Present  |
| • Mathematics Course Grader, Claremont, CA                                 | Sept – Dec 2014     |
| • Tap Dance Club Member, Claremont, CA                                     | Sept 2014 – Present |
| • Actor in Student Mini-Series ( <i>Far from the Tree</i> ), Claremont, CA | Oct – Dec 2014      |

## Key Skills

- Laboratory skills: Pipetting, Protein Expression, Vector Construction, familiarity with ApE software
- Language: Working Proficiency in Spanish
- Digital and Analog Photography Photo-Editing Software: Gimp, working proficiency in Photoshop
- Carpentry (i.e. woodcarving and trained in the use of the table saw, chop saw, band saw, and chainsaw)