

Ella Pachler

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EDUCATION:

MIRA COSTA HIGH SCHOOL (August 2015 – June 2018)

Cumulative GPA: 4.31 – top 5% of graduating class

Relevant Coursework: AP Biology, AP Chemistry, AP Calculus BC, AP Computer Science A & AP Physics C: Mechanics

UNIVERSITY OF CALIFORNIA, LOS ANGELES (September 2018 – Present)

B.S. Candidate, Bioengineering – Cumulative GPA: 3.74

Relevant Coursework: Chemistry: Chemical Structure, Chemistry: Chemical Energetics and Change, Physics: Mechanics for Engineers, Math: Integration and Infinite Series & Math: Calculus of Several Variables

EXPERIENCE:

BIOMEDICAL ENGINEERING SOCIETY CELL TEAM (October 2018 – Present)

Team Member

- Learn numerous safety and sterile techniques essential to successful lab work
- Collaborate with fellow B.S. candidates to observe cell migration in a scratch assay
- Understand function of AMG EVOS Microscope
- Transfer proteins from SDS-Page gels onto nitrocellulose membrane in order to perform Western Blots
- Assist in process of immunostaining in order to view various cell organelles
- Become comfortable passaging 3T3 fibroblast cells
- Learn to analyze raw data and create clear scientific figures

LONG BEACH FIRE DEPARTMENT MARINE SAFETY DIVISION (June 2018 – Present)

Seasonal Ocean Lifeguard

- Administer first aid, cardiopulmonary resuscitation
- Answer calls for help and perform rescue and resuscitation work
- Watch a designated section of the beach and water from an assigned station
- Assist and salvage operations of marine vessels

SKILLS:

Microsoft Office (Word, Excel, PowerPoint), data analysis, cell culture, first aid, emergency medicine & public speaking