

# Trevor Burnes

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## Education

### University of California Los Angeles

Enrolled September 2018

- Major: Chemical and Biomolecular Engineering
- GPA: 4.0
- 1<sup>st</sup> year
- Expected graduation: 2022

## Technical Projects

### AICHE Coffee Maker Design and Manufacture

October 2018 – Present

- Working with a team to create an effective coffee maker from basic components
- *Leader and primary contributor* to control system fabrication utilizing solid-state relay, microcontroller, and sensors to automate heating element of coffee maker
- Manufacturing with unique siphon coffee maker design

## Skills and Abilities

Microsoft Office, Basic programming knowledge, Photoshop/GIMP

Lab experience: spectrophotometry, titrations, distillations and dilutions

## Relevant Coursework

Chemistry 20L – General Chemistry Lab

Chemistry 20B – Chemical Energetics and Change

Math 32B – Calculus of Several Variables

## Work Experience

### Point Loma Nazarene University

July 2018 – September 2018

*Bookseller*

- Operated as a team to meet sale objectives and maintain customer satisfaction
- Greeted every customer in a professional, welcoming, and positive manner
- Educated customers with precise information tailored to their needs

### Cabrillo National Monument

September 2016 – May 2018

*Data Collector & Visitor Docent*

- Interacted with park visitors and educated them on flora and fauna in park's tide pools
- Collected data for herpetology surveys of reptile populations around park

## **Memberships**

*American Institute of Chemical Engineers (AIChE)*

October 2018 – Present

## **Honors and Awards**

National Merit Scholarship Finalist

National AP Scholar

## **Languages**

Spanish: Conversational