

Ian Phillips

Material Science Engineer, Chemical Engineering Focus

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Permanent Residence: Sunnyvale CA

Education Experience

University of California, Davis

GPA: 3.4/4.0

Third Year Material Science & Engineering

Concentration: Chemical Engineering

Work Experience

Student Assistant- UC Davis D-Lab

(Jan 2017-Present)

- Managing and collaborating on various engineering projects with colleagues and faculty.
- Organizing an innovative event with high profile alumni and industry speakers.
- Teaching and developing design processes for engineers including machine shop experience and training.
- Developing and implementing promotional projects which include website redesign, video editing and other communications projects.

Researcher- Taufour Experimental Condensed Matter Physics Group

(Sept 2018-Present)

- Managing an advanced material synthesis project using Bridgman Synthesis and responsible for the revision of SOP for Bridgman furnace.
- Working experience in operating high temperature furnaces, sealing quartz ampoules, reading MPMS data analyzation to fine tune materials and discover and report their properties.

Team Leader- Galileo Science Summer Camp

(Summer 2016, Summer 2017)

- Leading and organizing projects for groups of over 16 Pre-K children for over 10 hours a day.
- Orchestration of camper pick up, simultaneously updating parents on their child's accomplishments while keeping campers entertained and safe.
- Communicating continuously with other team leaders, teachers, and management.

Freelance Tutor

(August 2014-August 2017)

- Creating curriculum and teaching elementary/middle school students math and science.

Barista- Peet's Coffee and Tea

(June 2015-April 2016)

- Executing point of sale transactions and making drinks to customers' exact specifications.
- Interfacing with customers while making their order, and ensuring shop cleanliness.

Tech Intern- Audience Inc.

(Summer 2013)

- Managing company assets such as computers and portable devices and creating an easy way to track them.

Skills and Interests

Automotive & Mechanical | Matlab, Basic C++, Java | Machine Shop & Fabrication Trained | Energy

Leadership Experience & Honors

President- Davis Motorsports Club (DMC)

- Serving as the executive manager of the board of directors and revived the organization to host events such as automotive clinics and car meets.
- Building industry and on-campus connections as the official representative to provide a great experience for other students.

Secretary- American Institute of Chemical Engineers (AIChE)

- Organizing club documents, meeting minutes, and resources.
- Leading Chemical Engineering Mentorship Program; Coordinating and advertising weekly events, ensuring student involvement, and creating social/networking families.

Best in Energy Award Winner- Create-a-thon 2018

- In under 24 hours designed and created a prototype energy storage device that can be implemented in developing countries around the world.

President- Key Club (2015-2016)