

Sohni Thakkar  
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## **EDUCATION**

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**University of California, Los Angeles:** Los Angeles, CA September 2015 – present  
Bachelor of Science in Mechanical Engineering to be conferred June 2019 **GPA:** 3.657  
*Technical Breadth Area:* Computer Science  
*Coursework:* Calculus, Linear Algebra, Computer Science, MATLAB, Engineering Design, Materials Science, Statics

**Cupertino High School:** Cupertino, CA (*Diploma obtained June 2015*) August 2011 – June 2015

## **EXPERIENCE**

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**ZeroUI: Mechanical Engineering Intern** June 2016 – September 2016

- Designed an educational kit that included bars, connectors, gears, and more to be used with the company's modules to teach engineering concepts to students of all ages by building small robots
- Worked with the local TechShop to produce physical prototypes of designs through 3D printing and laser cutting
- Developed innovative techniques such as acrylic bending to produce two and three dimensional objects using a variety of materials including acrylic, wood, and cardboard

**Society of Women Engineers: Publicity Director** September 2015 – present

- Reached out to companies to recruit for networking dinners and to plan and host company information sessions
- Designed flyers, programs, and posters to promote SWE events and raise awareness of gender disparity in STEM
- Advocated for women in engineering professions and majors as a member of the SWE board at UCLA
- Attended national and regional conventions across the country to connect with other women in engineering

**UCLA Racing – Formula SAE: Powertrain Subteam** September 2015 – September 2016

- Designed mounting gear for the engine and its associated electronics as well as jigs to secure the pieces to the chassis of the racecar
- Utilized SolidWorks, a computer-aided design program, to design parts, including mounting gear for the engine
- Successfully completed machine shop training in order to physically produce parts for the car

**Bruin Entrepreneurs: Creative Labs Project Team** September 2016 – present

- Designed a multitude of infographics in the form of scalable vector graphics to represent real data
- Started to develop basic web development skills to integrate graphics into a professional website
- Currently learning to use Javascript to animate graphics and add interactive elements

## **AWARDS AND HONORS**

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**Dean's Honor List:** Awarded to engineering students for superior academic achievement per quarter September 2016

**Youngsoo Cha Endowed Scholarship:** Awarded to one engineering student at UCLA based on academic merit and scholastic achievements February 2016

**MAE Scholar:** Awarded to 25 students by the Mechanical Engineering department at UCLA September 2015

**National Merit Finalist:** Deemed academically talented by the National Merit Scholarship Corporation February 2015

## **SKILLS**

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Experienced with *computer-aided design* (Solidworks) and *FEA analysis*

Knowledgeable about and proficient in *manufacturing techniques* used to design and produce parts

Capable of utilizing *C++* and *MATLAB* in programming

Well-versed in using *Adobe Creative Suite* to design promotional flyers and ads as well as two-dimensional part designs

Strong group *leader* with experience managing large teams and communicating between different organizations