

# Kyle Ellis

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## Education

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### University of California, Santa Barbara

Jun 2017

Bachelor of Sciences in Mechanical Engineering

- ♦ GPA: 3.32

## Relevant Skills

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- ♦ Exceptional team player with excellent engineering intuition, project management experience, and written/verbal communication skills
- ♦ Proficient in: Mechanical Design, 3D and 2D CAD/CAM software, PLM/CDM software, Microsoft Office, Machine shop tooling and processes, Manufacturing processes, CNC, MATLAB

## Work Experience

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### R&D Technician

Sep 2016—Present

### Mechanical Engineering Intern

Jun—Sep 2016

Wyatt Technology

- ♦ Utilize Autodesk Inventor to create parts, assemblies, drawings for new instruments
- ♦ Operate Product Lifecycle and CAD Data Management software to store/change components
- ♦ Integrate proper drafting techniques to better prepare for future revisions
- ♦ Produce sheet metal parts using viable 3D modeling methods
- ♦ Implement root cause analysis to correct problems
- ♦ Lead the project on preparing parts and their drawings for RoHS compliance

### Reader

Apr 2017—Present

UCSB College of Engineering

- ♦ Grade homework, tests, and projects for ME153: Intro to Design undergraduate class

### CAD Draftsman/Designer

Jul 2016—Present

Freelance

- ♦ Render CAD models, drawings, and eDrawing files for patent-pending inventions

### Pool Deck Supervisor & Lifeguard

Jun 2014—Jun 2016

UCSB Recreation Center and Private

- ♦ Professional in water safety and rescue, CPR and Title 22 certified
- ♦ Supervised the ongoing operations of the pool deck, staff, and patrons

## Engineering Project Experience

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### Northrop Grumman Thermal Testing Apparatus Senior Capstone Project

Oct 2016—Present

- ♦ Fabricate a test setup to optimize thermal resistance measurement of heat transfer devices
- ♦ Pilot the design direction and all of its necessary CAD work

### Concept Car Design Project

Apr—Present

- ♦ Design a sustainable urban car construed by automotive hall of famer Roy Lunn
- ♦ Mentor younger engineers in their first Solidworks design project

### Engineering Design Project

Apr—May 2016

- ♦ Invented a device that eases lane line changing done on competition pool decks
- ♦ Converted materials into necessary parts using machine shop equipment and processes

## Honors and Scholarships

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- ♦ Dean's Honors (ENGR): Received over a 3.5 GPA with 12+ letter graded units Winter 2017
- ♦ CA School Employee's Assn. Dependent Scholarship (awarded three times) 2014, 2015, 2016
- ♦ Dean's Honors (L&S): Received over a 3.75 GPA with 12+ units Fall 2013
- ♦ School's First Federal Credit Union Worthy Student Scholarship 2013