# Connor Chin

6674 Sueno Road Unit A, Isla Vista, CA 93117
connorchin@umail.ucsb.edu
(925) 719-9280

## EDUCATION

**University of California, Santa Barbara (UCSB)** **Expected Graduation: June 2017**
Bachelor of Science in Mechanical Engineering
***Cumulative GPA:*** 3.33/4.00

**Relevant Coursework:**

- Mechanical Design
- Computer-Aided Design and Manufacturing
- Thermodynamics
- Fluid Mechanics
- Structural Analysis
- Business Strategy and Leadership

## PROFESSIONAL EXPERIENCE

**Performance Contracting, Inc.** **Santa Barbara, California**
***Project Engineer Intern*** **June 2016 – December 2016**

- Clarified any obscurities about architectural blueprints by submitting requests for information (RFIs).
- Utilized Bluebeam PDF Software to update architectural blueprints according to RFI changes.
- Placed material orders and coordinated the deliveries to job site; cumulative value over $120,000.
- Recorded labor control units and hours to keep track of worker production using project management software.

**UCSB Bookstore** **Santa Barbara, California**
***Asset Protection*** **July 2014 – June 2016**

- Supervised bookstore using cameras to ensure no loss of assets.
- Confronted thieves suspected of stealing, interviewed them, and determined course of action.

## ACADEMIC PROJECTS

**Senior Design Project (Sponsored by Northrop Grumman), Team Leader, UCSB** **October 2016 – Present**

- Design and manufacture an apparatus to measure thermal resistance of various heat transfer devices.
- Lead meetings with advisors and assist team members with thermal analysis.
- Prototype and optimize designs to ensure accuracy and repeatability of thermal resistance measurements.

**Mechanical Design Project, UCSB** **March 2016 – June 2016**

- Designed and manufactured a device used to efficiently set up a competition pool in a team of 6.
- Reduced the set up time by approximately 60%.

**Mathematics of Engineering Final Project, UCSB** **March 2015 – June 2015**

- Coded a MATLAB program that modeled the effects of dispersion from a fictitious oil spill in the ocean and determined which nearby beaches should be closed based on oil concentration.
- Predicted oil concentrations from program were within 2% of given oil concentrations.

**Machine Shop Project, UCSB** **September 2014 – December 2014**

- Used blueprints for compressed air motor to ensure parts would fit within tolerances and pass quality control.
- Manufactured parts using common machine shop processes in order to assemble compressed air motor.
- Dimensions of assembled motor were within 1% of required specifications.
- Motor successfully performed within 10% of required operating speed.

**Engineering Graphics Final Project, UCSB** **March 2014 – June 2014**

- Researched and designed a mechanical skateboard lock to prevent theft.
- Produced drawings of individual parts and their assembly using Computer-Aided Design (CAD) software.

## ADDITIONAL SKILLS

- Proficient in SolidWorks, HSMWorks, MATLAB, Bluebeam, and Microsoft Office.
- Experience with machining, CNC programming, 3D printing, laser engraving, and electrical lab equipment.