

# Syung Denny Min

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## Education

University of California, Berkeley

B.S. Mechanical Engineering Candidate - GPA: 3.247

Intended Minor: Electrical Engineering and Computer Sciences

Aug 2015 - Present

Expected graduation: May 2019

### Relevant Coursework

- Product Sketching
- Manufacturing and Tolerancing
- 2D / 3D Modeling
- Data Structure and Algorithms
- Design Methods
- Solid Mechanics

## Experience

RoboBears

Sept 2016 - Present

*Founder, President (robobears.berkeley.edu)*

- Corresponds with Associated Students Union of California / UC Berkeley / Engineering Student Council; Enforces Associated Students Union of CCalifornia / Engineering Student Council / Berkeley wide regulations.
- Create general sketch of the robot that is to be built to compete in the upcoming 2017 RoboGames
- Supervise design for the robot that is currently being built to compete in upcoming RoboGames 2017, allowing members to discuss and model the robot from ground up.
- Create and submit purchase orders as per UC Berkeley Student Organization guidelines.

MSE 198:

Sept - Dec 2016

Competitive Robotics: Iterative Design and Mechanical Prototyping

*Student Facilitator*

- Instruct students about fundamental topics of building a combat robot such as computer aided design, the use and safety knowledge of tools, material selection, manufacturing constraints and costs.
- Introduce students to different stages of iterative design such as building mock-ups and providing design critiques between students.
- Resulted in students creating their own robot designs using their preferred 3D software.

## Projects

BearMaps (Class Project)

*for CS 61B - Intro to Data Structure and Algorithms*

Built a simple version of web mapping application that users can zoom in/out and also find closest routes from one user-selected point to another.

Fidg.it (Class Project)

*for Des Inv 10- Discovering Design*

Designed a phonecase using the design techniques such as brainstorming, user-research, and immersion research.

Phonevator(Class Project)

*for E27 - Intro to Manufacturing and Tolerancing*

Designed a table-top phone lift. Prepared parts based on the design provided by using a laser cutter. Applied GD&T to the technical drawings

## Additional Skills

**Language:** Java, MatLAB

**Program:** SolidWorks; AutoCAD; Inventor; Adobe Indesign; Photoshop

**Documentation:** BOM; Geometric Dimensioning & Tolerancing

**Hands-On:** 3D Printing; Laser Cutting; Vacuum Forming

**Certificate:** Certified SolidWorks Associate