

# Gavin Glynn

## Mechanical Engineering

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### Gavin Glynn

El Segundo, California 90245

310.227.1279 | [gavglynn@gmail.com](mailto:gavglynn@gmail.com)

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### Projects

#### Shape Memory Alloy folding Solar Array / Project Manager, Tech Lead

SEPTEMBER 2020 - JUNE 2021, UCSB

- Developed an efficient storing method for solar arrays on cube satellites enabled by shape memory alloys (SMA).
- Integrated SMA's into 3D printed replicated parts for testing.
- Assumed role of Tech Lead spring quarter to focus on development.
- Awarded Outstanding Innovation in Mechanical Engineering at UCSB Capstone Expo among 11 teams.

#### SpaceX Hyperloop Pod Competition / Project Manager

AUGUST 2015 - SPRING 2016, ESHS

- Created and entered HyperEagles in college / professional pod competition as a high school team.
- Selected to compete at Design Weekend.
- Competed in Pod Design and Safety Subsystem Design at Design Weekend in Texas.

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### Education

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#### University of California Santa Barbara / BS

SEPTEMBER 2016 - JUNE 2021, SANTA BARBARA

- Bachelor of Science, Mechanical Engineering.

#### Northrup Grumman Internship / Intern

FEBRUARY 2016 - JUNE 2016, EL SEGUNDO

- Intern at Northrup Grumman, Monday - Thursday, two hours daily.
- Environmental department.

#### El Segundo High School

AUGUST 2012 - JUNE 2016, EL SEGUNDO

- Fulfilled Engineering Pathway (Project Lead the Way).

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### Skills

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#### Software + Languages

- Solidworks
- Matlab
- Simulink
- Arduino
- ❖ Javascript
- ❖ HTML + CSS

#### Machine Shop

- Mill
- Lathe
- Band Saw
- Tapping
- Laser Cutter

#### 3D Modeling + FDM Printers

- Blender
- Unity
- PrusaSlicer
- ❖ Prusa MK3s Multi Material
- ❖ Prusa Mini+