



# JASON JOSHUA

MECHANICAL DESIGN  
ENGINEER

## CONTACT

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JASONJOSHUA.COM



## PROFILE

A passionate, energetic man who is willing to learn and work on creative yet out-of-the-box innovation. Experienced in both forging strong teamwork between individuals as team player.

## EXPERIENCE

### MECHANICAL DESIGN ENGINEER

TOP-SHELF FIXTURES | CHINO, CA, USA | AUG '19 - JUNE '20

- Developed robust and modular design based on client's needs by utilizing hand sketches, 3D CAD, rapid-prototyping
  - Sheet metal, wire, tube, powder coating, welding manufacturing
- Generated technical drawings and explaining design concepts to be mass produced by the manufacturing plant

### MECHANICAL DESIGN ENGINEER

DIAGNOLOGIX, LLC. | SAN DIEGO, CA, USA | JUNE '18 - APR '19

- Designed and rapid prototyped medical grade automated system
  - Utilized Solidworks, 3D printer (FDM & SLA), CNC Machine to prototype for grants presentation
- Integrated Arduino to automate a closed system blood isolation technology

### PRESIDENT

SAN DIEGO INDONESIAN ASSOCIATION | JUNE '18 - JUNE '19

- Taught and assisted 20+ students to develop prototypes utilizing 3D printer, CNC Mill, manual milling, lathe
- Assisted faculty and remodeled the class system to increase lab efficiency

### MACHINE SHOP TEACHING ASSISTANT

UC SAN DIEGO | SAN DIEGO, CA, USA | JAN '18 - MARCH '18

- Taught and assisted 20+ students to develop prototypes utilizing 3D printer, CNC Mill, manual milling, lathe
- Assisted faculty and remodeled the class system to increase lab efficiency

## EDUCATION

### BACHELOR OF SCIENCE, MECHANICAL ENGINEERING

UNIVERSITY OF CALIFORNIA, SAN DIEGO | 2015-2019

MINOR: BUSINESS ADMINISTRATION

- M.K Fives Academic Scholarship Recipient (May 2016)

## SKILLS

- English / Bahasa Indonesia / Mandarin
- Solidworks, Inventor, Fusion 360, 3D Print, Mechatronics
- CNC Machine, Milling, Lathe, Bandsaw,
- C/C++/Python