



JASON JOSHUA

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EDUCATION

UNIVERSITY OF CALIFORNIA,
SAN DIEGO (2015-2019)

B.S Mechanical Engineering
Minor: Business Administration

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



PROFILE

A passionate, energetic man who is willing to work creatively, passionately and ultimately above and beyond. Experienced in both forging strong teamwork between individuals as leader and team player.

EXPERIENCE

PRODUCT DEVELOPMENT ENGINEER

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

- Lead product cycle iteration from conceptual to prototype to mass production in a lean and effective way
 - Utilized sheet metal, wire, tube, powder coating, welding manufacturing
- Developed robust and modular design by translating client's and sales team requirement by utilizing hand sketches, 3D CAD, rapid-prototyping
- Generated technical specifications, drawings, BOMs to be mass produced by the manufacturing plant

PRODUCT DEVELOPMENT ENGINEER

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

- Responsible for extensive research and development on medical grade automated system utilizing rapid prototyping (Solidworks, FDM & SLA 3D printer), laser cut for design validation and presentation
- Integrated Arduino to automate a closed system blood isolation technology for automation prototype
- Generated technical specifications and drawing for vendors price quote

MACHINE SHOP TEACHING ASSISTANT

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

- Empowered student to use the machine independently by managing and assisting 20+ students to developed prototypes utilizing 3D printer, CNC Mill, manual milling, lathe
- Increased lab efficiency by 20% by initiating a redesign of the class system

ORGANIZATION

PRESIDENT

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

- Led a team of 7 to provide over 200 Indonesian students with future career platform in US and Indonesia
- Improved the relationship between the San Diego Indonesian community with the Consulate General of Indonesia in Los Angeles
- Fund-raised \$5000+ through executing over 14 fundraisers within 3 quarters to increase inclusion and membership retention

SKILLS

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