

# A. Mechanical Engineer

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## EDUCATION

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**B.S. Mechanical Engineering**, GPA 3.6 Apr 2021  
Brigham Young University - Ira A. Fulton College of Engineering Provo, UT

## ENGINEERING RELATED EXPERIENCE

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**Intern – Manufacturing R&D /Documents Manager** Sept 2020 – Dec 2020  
*Stryker – BYU On-Campus Internship* Provo, UT

- Designed and modeled a variety of gauges to decrease time by 20% in manufacturing process
- Researched and connected with companies regarding manufacturing technologies to improve efficiency and diminish costs by 10%

**Teaching Assistant – Fluid Mechanics** Sept 2020 – Dec 2020  
*BYU Department of Mechanical Engineering* Provo, UT

- Directed recitation workshops designed for concept discussion and team problem-solving (improved test scores by 5-10%)
- Led students with mastering theory and problem-solving to better class test average by 17%

**Independent Contractor - Part Modeling and Costing** Apr 2020 – June 2020  
*ABC Healthcare* Salt Lake City, UT

- Coordinated with an off-shore team to enhance workflow efficiency by 16%
- Modeled and analyzed components for assembly after manual tear-down; enforced new way of storage to reduce risk of damage

## SKILLS

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- **Coding Experience:** C++, MATLAB, MPLAB X
- **3D Modeling/Analysis Experience:** SolidWorks, NX, Onshape, SketchUp, Catia, ANSYS
- **Manufacturing/Prototyping Experience:** Composites, 3D Printing, Machining, Casting, Laser Cutter, ShopBot (CNC Router)
- **Design/Construction/Analysis Projects:** Bike Trailer for Pre-Teen with Cerebral Palsy (Capstone Project), Snowboard, RC Airplane, Composite Thor Hammer, and Single-Cylinder Engine (compress-powered)

## OTHER WORK EXPERIENCE

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**Customer Service Desk and Cashier – UVU Bookstore** July 2019 – Sept 2019, Orem, UT  
**Sales Associate – Big 5** Nov 2015 – Dec 2015, Placerville, CA  
**Lead Server – Ponte Palmero** July 2013 – Oct 2013, Cameron Park, CA  
**Snowboard and Ski Instructor – Arizona Snowbowl** Dec 2012 – Apr 2012, Flagstaff, AZ

## VOLUNTEER SERVICE

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**Full-Time Volunteer** Cuiabá, MT, Brazil  
*The Church of Jesus Christ of Latter-day Saints* Oct 2013 – Oct 2015

- Conducted over 15 training meetings and conferences for community services and teachings
- Arranged 3 service projects and activities for community needs with individuals of various ethnic/cultural backgrounds

## OTHER ACCOMPLISHMENTS

- Portuguese Language Certificate – BYU Advanced Level (issued by ACTFL) – Feb 2019
- *PADI Diver Certification:* Level 2- Autonomous Diver Standard – Oct 2017