

# Max Murphy

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## OBJECTIVE

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Mechanical Engineer looking for an entry level full time position at a company where I can make a difference in the workplace by utilizing my technical skills to develop creative solutions. I have started a portfolio to show what I have done and what I can do in several different areas: <https://max3dprinting.com/portfolio/>

## EDUCATION

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**California Baptist University**, Riverside, California

May 2017

- Bachelor of Science in Mechanical Engineering, GPA: 3.35

## RELEVANT SKILLS

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- SOLIDWORKS CSWP Certified
- SOLIDWORKS FEA
- 3D Printing (FDM, SLA)
- PID Controllers
- MATLAB (Simulink)
- Mathcad
- Python
- AutoCAD
- Arduino
- Adobe Premiere, Photoshop, and Illustrator
- CNC Milling (Mastercam), Lathe, Drill Press, Sander, Tensile Test Machine

## RELEVANT EXPERIENCE

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*Engineering Intern* **Neodyne Bioscience**, Newark, CA

current & 5/2016 to 8/2016, 5/2015 to 8/2015

- Developed into the project lead of a cross functional team to introduce a new Class I, non-sterile product to the market.
- Generated fully dimensioned and toleranced detailed drawings for part and assembly modifications: created complex configurations to simplify exploded views in Solidworks
- Performed scrap and tolerance analysis on received parts to identify patterns and sources of error.
- Qualified a new set of devices for a contract manufacturer; written tolerance analysis, work instructions, test reports, NCMRs, and deviations within in a Medical Device Class 1 setting.
- Led the initiative of transit pallet shipping testing, NAFTA documentation and presented notes from various packaging experts to absent team members.

*Resident Advisor* **California Baptist University**, Riverside, CA

8/2015 to 5/2016

- Collaborated with other student leaders to plan, budget, and organize programs for residents to build community that values diversity and a sense of belonging.
- Understood the needs, goals and objectives of and acted as a liaison between the Office of Residence Life and residential students; developed critical thinking skills to achieve conflict resolution.

*Engineering Intern* **Soundfit/3D Wares**, San Leandro, CA

5/2015 to 8/2015

- Cooperated with the Marketing and Engineering team to create a professional video using Adobe Premiere CS5 for the company's product and service.
- Contributed to a team that was responsible for transforming a sheet metal designed product to be properly designed for 3D print manufacturing; modified BOM's for a few projects.
- Demonstrated domain expertise that earned the trust of the original team to take part in several of the company's strategy discussions.

*R&D Temp/Intern* **Dreamworks**, Redwood City, CA

5/2014 to 8/2014

- Developed a Python script to automate an app that added audio to animation on the HP Sprout and created an annotated library of audio clips that reduced a 30-minute search to a minute using a script.