

Harrison Leece

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Education

Loyola Marymount University, Los Angeles CA

Expected: May 2020

BSE, Mechanical Engineering

GPA: 3.83

Bellarmino College Preparatory – Graduated May 2016

GPA: 3.93

Work Experience

Moog Aerospace, Torrance, CA, *Engineering Intern*

May 2018-August 2018

- Assisted in project engineering tasks and design work, including ECNs, ECPs, solid model changes, drawing changes, tolerance stack up analysis and tool design.
- Rescued a shipment of parts worth thousands of dollars by investigating failure, analyzing the drawings for tolerance errors and presenting solutions that would allow parts to comply with customer specifications after modification.

Great America, Santa Clara, CA, *Deep water lifeguard*

May 2017-August 2017

- CPR certified by Ellis & Associates, First Aid trained
- Performed multiple rescues and participated in live audits testing first response skills and visual awareness

LMU Campus Event Operations, Los Angeles CA, *Operations Assistant*

Sept 2016-Present

- Responsible for safe use of transportation of people and materials to site, securing equipment, media setup and IT support at campus events.

Ooyala, Santa Clara, CA, *IT intern*

June 2015-July 2015

- Audited backup and security systems, repaired damaged laptops, formatted, and configured new laptops, assisted in company onboarding and IT help desk.

Campus Involvement

LMU Robotics, Loyola Marymount University, *Founding Member*

March 2017-Present

- Designed a simple robot arm utilizing Solidworks and gave a presentation to secure 300 dollars of funding to develop team.
- Preliminary design for combat robot, including solid modeling.

Loyola MARS, Loyola Marymount University, www.loyolaMARS.com

January 2018-Present

- Designed and modeled an injector and oxidizer feed system capable of delivering desired mass flow of oxidizer to the combustion chambers of the subscale and full scale hybrid rocket.
- Designed and modeled test stand and modular oxidizer feed system capable of measuring the force curve of the subscale motor and be used in future hybrid rocket research.
- Lead engineer for upstarting Loyola MARS Liquid Rocketry Project.

Skills

MATLAB, Solidworks, Java, Python (SciPy), Excel, Git, Siemens NX/Siemens PLM