

# ROBERTO G. FORCE

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## OBJECTIVE

Seeking an internship in the field of Mechanical Engineering for Summer 2019

## EDUCATION

**Bachelor of Science, Mechanical Engineering**, Rose-Hulman Institute of Technology May 2022

*Related Coursework*

- Graphical Communications (EM104) – Trained in SolidWorks
- Statics and Mechanics of Materials 1 (EM121) – Analysis of force systems

**High School Education**, The Bramble School, Rose, CA June 2018

- 3.5 GPA

## EXPERIENCE

**Veloce Motors West**, Petunia, California Summer 2018

Intern, Racecar Restoration, and Preparation

- Fabricated and assembled components for the restoration of numerous historic racecars
- Diagnosed and serviced historic racing engines including Hart, Lotus, Cosworth and Alfa-Romeo
- Provided trackside support for customers during race events

**Buci Institute Summer Scholar Program**, Novat, California Summer 2017

Summer Scholar, Buck Institute

- Tested for inhibition of the Notch signaling pathway in human embryonic stem cell-derived retinal progenitor cells with qPCR and immunocytochemistry techniques
- Examined mouse retinal tissue for integration of photoreceptors
- Presented research findings at the Buck Institute for Principal Investigators

**Buci Institute for Research on Aging**, Novat, California Summer 2017

Intern, Lamba Lab

- Trained in research equipment and techniques, including cryosectioning, and cell culture
- Prepared tissues and performed various histology techniques
- Completed projects and maintained cell cultures for senior lab members

**MBW AG**, Munich, Germany August 2016

Intern, Innovation Engineering TP-53 Division

- Studied various hardware techniques for generating live 3D models for the surroundings of autonomous vehicles
- Tested software for sharing intellectual property across divisions
- Built simple interfaces for factory workers, including assembly line controls and alarms

## EXTRACURRICULAR ACTIVITIES

Rose Grand Prix Engineering (Formula SAE) – Member on engine sub team

Mountain biking – Varsity team captain in High School, qualified for California state championships

Singing – Tenor, current student of Dr. Brian Horne at Indiana University, won numerous local competitions, graduate of the Grammy Award winning San Francisco Boys Chorus

Piano – Been studying for 12 years, participated in studio recitals