

Melissa Rodriguez

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About Me

Hi! My name is Melissa Rodriguez, a soon to be Mechanical Engineering graduate looking for a full time opportunity. I'm interested in working in a multidisciplinary team that focuses on topics including, but not limited to, research and development, design optimization, and prototyping. I have an interest in software development as well. I'm available to start Summer 2020.

Work Experience

Product Development Co-Op | SPX Flow
Summer 2018 - Fall 2018, Summer 2019

Performed daily engineering changes on drawings, 3D models, and part obsolescence. Redesigning product line to be standard in order to cut costs related to custom orders. Created 3D prints to be used in R&D.

Product Concept Engineer Co-Op | Magna International
Summer 2017- Fall 2017

Performed torque analysis on a variety of vehicles to determine appropriate transfer case for each powertrain system. Created 3D models of transfer cases for customer distribution and display.

Mechanical Engineer Intern | Summerboard
Summer 2016

Helped this start up company to assemble their electric snowboards for customers. Determined pain points within assembly process and worked to reduce manufacturing time.

Additional Experience

Resident Adviser (RA) | Rochester Institute of Technology
Winter 2018-Present

Helped over 200 freshmen get acclimated to college while also creating inclusive communities that foster growth and camaraderie.

Education

Mechanical Engineering, BS | 2015 - 2020
Minor in Communication
Rochester Institute of Technology (RIT)

Study Abroad | Aug - Dec 2016
RIT Dubai

Relevant Coursework

Robotics

Heat Transfer

Multidisciplinary
Senior Design

Advanced CAD

Strength of Materials

Computer Science I

Skills

CAD

Python

Spanish

Arduino

JavaScript (p5.js)

Interests

Nature

Code Art

Laughing

Making playlists

Leonardo Da Vinci