

# Melissa Rodriguez

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[melissa-rodriguez.com](http://melissa-rodriguez.com)

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## About Me

Hi! My name is Melissa Rodriguez, a soon to be graduate with a BS in Mechanical Engineering and currently 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, robotics, prototyping, and testing. I'm available to start Spring 2020.

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## Work Experience

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### Product Development Co-Op | SPX

*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.

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### Product Concept Engineer Co-Op | Magna International

*Summer 2017- Fall 2017*

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

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### Mechanical Engineer Intern | Summerboard

*Summer 2016*

Helped this start up company with their production of electric snowboards. Determined pain points within assembly process and worked to reduce manufacturing time.

## Additional Experience

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### 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.

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## Education

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

Study Abroad | Aug - Dec 2016  
RIT Dubai

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### Relevant Coursework

Robotics

Heat Transfer

Multidisciplinary  
Senior Design

Advanced CAD

Strength of Materials

Computer Science I

### Skills

Python

Spanish

Arduino

AutoCAD

Creo Parametric

AutoDesk Inventor

### Interests

Travel

Nature

Code Art

Laughing :)

Making playlists

Leonardo Da Vinci