

# Julien Brillon

Portfolio: [julienbrillon.me/pages/projects](http://julienbrillon.me/pages/projects)

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## EDUCATION

### MCGILL UNIVERSITY

#### B.ENG, MECHANICAL ENGINEERING

Concentration : Design

Expected Graduation : April 2017

## SKILLS

### PRODUCT DESIGN

SolidWorks • Unigraphics NX  
3D Printing • Machine Tools  
Rapid Prototyping • FEA

### GRAPHIC DESIGN

Adobe Photoshop • Illustrator

### SOFTWARE

#### LANGUAGES

C • HTML & CSS • Python

#### FRAMEWORKS

Bootstrap

#### DEV. TOOLS

Git • Unix

### LEADERSHIP

#### ORIENTATION LEADER

McGill Student Services

Sept 2014 & 2015

#### MINISTER OF COMMUNICATIONS

Student Council at A.N. Myer

Secondary School | 2012-2013

## COURSEWORK

Manufacturing  
Statics & Dynamics  
Solid Mechanics  
Dynamics of Mechanisms  
Material Science  
Thermodynamics  
Statistics & Measurements

## LANGUAGES

English • French

## INTERESTS

Sailing • Automotives  
Wearables • Robotics  
Skateboarding • IoT

## SUMMARY

Julien's interests range from Product Design to Software Development to Engineering Project Management. He is currently seeking an internship in Product Design or Mechanical Engineering.

## EXPERIENCE

### MCGILL FORMULA ELECTRIC | CHASSIS SUB-TEAM INTERN

Sept 2015 - Present | Montreal, QC

- Building/Designing the Chassis of the race car, and performing Finite Element Analysis (FEA) on the components.

### MCGILL ROCKET TEAM | GRAPHIC DESIGNER

June 2015 | Montreal, QC

- McGill Rocket Team builds experimental Sounding Rockets and participates in the Inter-Collegiate competition.
- I designed the sponsorship package sticker for the 10ft rocket using Photoshop and Illustrator.
- Site: <http://julienbrillon.me/projects/rocket>

## PROJECTS

### WEARABLE DJING | MYOSTRO

Sept 2015 | MHacks, Ann Arbor, MI

- Developed an immersive DJing experience via a Myo Armband integration.
- Project site: <http://myostro.github.io>

### BIOMETRIC SMARTWEAR | SENSOCK

May 2015 | WearHacks, Toronto, ON

- Fabricated a smart-sock to measure vitals such as heart rate and body temperature as well as a haptic feedback sensor to page a doctor via text message.
- Project site: <http://sensock.github.io>

### MUSIC BASED ON YOUR MOOD | MUSEK

May 2015 | WearHacks, Toronto, ON

- Developed an Android app that plays music based on your mood and location via a Muse Headband and Estimote Beacons integration.
- Project site: <http://julienbrillon.me/projects/musek>

### MECHANICAL DESIGN | MECHANICAL HAPTIC ALARM CLOCK

Sept 2014 - Dec 2014 | Montreal, QC

- Designed an alarm clock to aid waking up people with a hearing disability.
- Produced a manufacturing bill of materials (MBOM) using SolidWorks.
- Chose and integrated off-the-shelf components from supply companies.
- Project site: <http://julienbrillon.me/projects/alarmclock>

### FASHION BLOG | ELLY-SHOE

Aug 2014 | Queenston, ON

- Built a fashion blog from scratch using HTML, CSS, and Bootstrap framework.
- Project site: <http://elly-shoe.com>