

# Julien Brillon

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

LinkedIn: [jbrillon](#) | Github: [King-Jules](#)

[julien.brillon@mail.mcgill.ca](mailto:julien.brillon@mail.mcgill.ca) | 905-650-2070 | Montreal, QC

## EDUCATION

### MCGILL UNIVERSITY

#### B.ENG, MECHANICAL ENGINEERING

Concentration : Design

Expected Graduation : April 2017

## SKILLS

### PRODUCT DESIGN

SolidWorks • Unigraphics NX

### GRAPHIC DESIGN

Adobe Photoshop • Illustrator

### SOFTWARE

#### LANGUAGES

C • HTML & CSS • Javascript

#### FRAMEWORKS

Bootstrap

#### DEV. TOOLS

Git • Unix

### LEADERSHIP

#### ORIENTATION LEADER

McGill Student Services

Aug 2014 & 2015

#### MINISTER OF COMMUNICATIONS

Student Council at A.N. Myer

Secondary School | 2012-2013

## COURSEWORK

### UNDERGRADUATE

Manufacturing

Statics & Dynamics

Solid Mechanics

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 passionate about Wearables, IoT, Automotives, and Robotics. 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

- Designing/Building 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>

### SHAW FESTIVAL THEATRE | AUDIENCE SERVICES

June 2011 – Aug 2015 | Niagara-on-the-Lake, ON

- Transaction and reconciliation experience with parking and concessions sales.
- Provided excellent customer service and handled patron inquiries.
- Worked in an environment emphasizing health and safety, accuracy and punctuality.

## 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.

### 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.

### 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>