

Julien Brillon

Portfolio: julienbrillon.me/pages/projects

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

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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>