

Julien Brillon

Portfolio: julienbrillon.me/projects
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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 • \LaTeX

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

Statics & Dynamics

Solid Mechanics

Material Science

Statistics & Measurements

Tech. Entrepreneurship

LANGUAGES

English • French

INTERESTS

Sailing • Aerospace

Wearables • Robotics

Skateboarding • IoT

SUMMARY

Julien's interests range from Product Design to Robotics to Aerospace. He is currently seeking an internship in Mechanical Engineering.

EXPERIENCE

MCGILL FORMULA ELECTRIC | CHASSIS SUB-TEAM INTERN

Sept 2015 - Present | Montreal, QC

- 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.
- 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.

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>