**CLARELY TOPNOTCH** 123 Downtown St., Montreal, QC, Canada, H3A 0C5

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**OBJECTIVE**

An enthusiastic and quality-driven second year Materials Engineering student seeking a 4 or 8 month

co-op work term for January 2018 in the 3D printing industry

**EDUCATION**

**Bachelor of Engineering (Materials Engineering Co-op Program)** Sept. 2016-May 2021

*McGill University, Montreal, QC*

Recipient of a Faculty of Engineering scholarship based on academic achievement

**Relevant Coursework:**

MIME 261: Structure of Materials, MIME 345: Applications of Polymers,

MIME 362: Mechanical Properties

**Project:**

AutoCAD Team Design Project: creating, designing and 3D printing a prototype

for a friction-fitting connector for a 12-sided polyhedron comprised of standard

popsicle sticks using computer-aided design

**Diplôme d’Études Collegiales, Pure and Applied Science**  May 2016

*Vanier College, St-Laurent, QC, Montreal, QC*

**SKILLS**

**Technical & Laboratory Skills:**

-Hardness, tensile, impact, torsion and fracture analysis mechanical testing

-Materials characterization and analysis (optical microscopy, electron microscopy,

qualitative and quantitative metallography, X-ray diffraction, surface analysis,

analytical techniques for composition characterization)

-Knowledge in hydrometallurgy (electro-winning, electro-refining)

-Knowledge in mineral processing (gravitation and magnetic separation, micro and

lab flotation, particle size analysis)

-Knowledge of material fabrication processes

**Software:**

Proficient in C, AutoCAD, Matlab, Maple, Office 365 (Word, Excel, PowerPoint)

**Languages:**

Fluent in English and French (spoken and written) and Spanish (basic spoken)

**Safety Certification:**

Workplace Hazardous Materials Information System Certified (Valid to June 2020)

**WORK AND VOLUNTEER EXPERIENCE**

**Team Member** June 2016 - present

*McGill 3D Printing Club, Montreal, QC*

-Sourced and assembled the feeder nozzle for custom 3D printer built by the club

-Managed club budget and raised funds through bake sale donations and raffles

**Research and Development Co-op** Jan-Apr. 2016

*Pratt and Whitney Canada, Turboprop Customer Service Unit*

-Investigated and analyzed failure of aviation engine blades, discovering

a trend in the microstructure characteristics

-Presented a cost-effective solution to engineers and project managers

based on findings

**Youth Educator and Kiosk Representative** Feb. 2017

*“Les filles et les sciences, un duo électrisant” Montréal, QC*

-Designed activities to educate students about sciences and engineering

 in an accessible manner and inspire young female students to pursue these fields

-Staffed the kiosk, demonstrated concepts to the students, engaged

their participation and responded to questions.

**Student Volunteer** June 2016

*World Biomaterials Conference, Montreal, QC*

-Verified participant registration information, provided technical support

to the events team and greeted conference VIPS and delegates

**Camp Co-Founder and Youth Counsellor** June-Aug., 2012

*Youth Explorer Science Camp, Montreal, QC*

-Established the camp with other executive members to educate

80 young students through scientific activities

-Managed the camp’s resources and funds

**LEADERSHIP ACTIVITIES**

**VP Internal Executive Member**May 2017– May 2018

*POWE (Promoting Opportunities for Women in Engineering), Montreal, QC*

-Responsible for managing all internal events held by POWE at McGill University

-Planned events ranging from 10-60 students and 1-30 professionals including

speed networking, powerful women speakers series, tech fair preparation and

LinkedIn workshop for all McGill engineering students

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| **MEUS Executive Council Member (VP Events)** Sept. 2016-May 2017 *Materials Engineering Undergraduate Society, McGill University, Montreal, QC*  |
| -Coordinated logistics of the undergraduate fall banquet attended by over 75 students and 25 staff |
| -Represented MEUS to prospective students at McGill Open House & Discover McGill events**Student Representative** Sept. 2015-June 2016*Board of Governors, Vanier College, St-Laurent, QC* |
| -Elected to represent approximately 600 science program students |
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**PROFESSIONAL MEMBERSHIPS**

-ASM (Materials Society) Montreal Student Chapter 2016-present

-The Mineral, Metals and Materials Society (TMS) 2016-present

-MIAE (McGill Institute for Aerospace Engineering) 2016-present

-Canadian Institute of Mining, Metallurgy and Petroleum (CIM) 2016-present

-Ordre des Ingénieurs du Québec (student chapter) 2016-present