

# Maxime ROUSSEAU

## PERSONAL INFORMATION

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CITY: Montreal, Qc, Canada  
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## EDUCATION

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<i>Current</i>	DMD Candidate 2020, McGill University, Faculty of Dentistry
09/2013 - 06/2015	DEC Health Science - Collège André-Grasset
09/2008 - 06/2013	DES Science Nature - Séminaire Sainte-Trinité

## COMPUTER, TECHNICAL & LABORATORY SKILLS

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2018	Programming languages: python, R, latex, vimscript, shell script Operating systems: Linux Neural Networks and Deep Learning certificate by deeplearning.ai on Coursera Course focusing on teaching the foundations of deep learning, how to build neural networks and how to lead a successful machine learning project.
SUMMER 2013 - 2015	Laboratory work in Di Battista and Rousseau orthodontic clinic Various tasks performed such as wire bending and appliance construction.

## VOLUNTEERING & EXTRACURRICULAR EXPERIENCE

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2016 - 2019	Mandatory volunteering for the Outreach community clinic Participating in the effort to provide dental care to the underserved communities in Montreal. Treatments offered at the community mobile clinic and the McGill Undergraduate Clinic.
01/2014 - 06/2014	Tutoring in science - Collège André-Grasset Offering help to students struggling in with courses in sciences through one on one sessions.
01/2014 - 06/2014	Tutoring in french - Collège André-Grasset Offering help to students struggling in french through one on one sessions.
11/2014	Representative of health science students of Collège André-Grasset Representing the health science students for the commission de l'évaluation de l'enseignement collegial.

## SCHOLARSHIPS & AWARDS

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| 2018 | Summer research studentship: <i>Deep learning applications for diagnosis and classification of Osteogenesis Imperfecta</i> , McGill of University, faculty of Dentistry |
| 2017 | Summer research studentship: <i>Facial analysis in subjects affected by Osteogenesis Imperfecta</i> , McGill of University, faculty of Dentistry                        |
| 2016 | Summer research studentship: <i>Natural history of osteogenesis imperfecta</i> , McGill of University, faculty of Dentistry   |
| 2015 | Best speaker awards, Debating Competition, The Bar of Montreal  |
| 2014 | Bronze mention in chemistry, Collège André-Grasset  |
| 2013 | Male athlete of the year, Skibec Acrobatique  |
| 2013 | Award for Quebec region athlete who had the most success on provincial and national level in mogul skiing, Skibec Acrobatique   |
| 2012 | Elite sport award: <i>Student who succeed provincial and national level in sport while maintaining high level of academics results</i> , Séminaire Sainte-Trinité       |
| 2010 | English silver award Séminaire Sainte-Trinité   |
| 2009 | Leadership award, Séminaire Sainte-Trinité  |
| 2009 | Personality award, Séminaire Sainte-Trinité   |

## PUBLICATIONS & TALKS

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### Journal Articles

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| 2018 | Maxime Rousseau, Jean-Marc Retrouvey; <i>Osteogenesis Imperfecta: potential therapeutic Approaches</i> ; PeerJ, <a href="#">link</a> |
| 2018 | Maxime Rousseau, Jean-Marc Retrouvey; <i>pfla ; Python Facial Landmark Analysis</i> ; JOSS, <a href="#">link</a>                     |

### Posters

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| 2019 | Facial Analysis of Patients Affected by Osteogenesis Imperfecta using Computer Vision and Statistical Shape Analysis, a case-control study<br>McGill University Oral Health Research day |
| 2018 | Facial Shape Analysis in Osteogenesis Imperfecta Using Automated Computer Vision<br>IADR/PER General Session and Exhibition London   |
| 2018 | Facial Analysis of Patients Affected by Osteogenesis Imperfecta using Computer Vision and Statistical Shape Analysis, a case-control study<br>McGill University Oral Health Research day |
| 2017 | Osteogenesis Imperfecta: potential therapeutic approaches<br>McGill University Oral Health Research day  |

### Competitions

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| 2018 | Finalist in the Craniofacial Biology Research Junior Awards Competition; <i>Facial Shape Analysis in Osteogenesis Imperfecta Using Automated Computer Vision</i><br>IADR/PER General Session and Exhibition London |
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## PROJECTS

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- 2018 - [pfla](#): Python Facial Landmark Analysis  
A python package for facial analysis of images.
- 2019 - [densys.org](#)  
Densys aims at bringing machine learning technologies to the researcher and clinicians in the various dental and medical fields.

## INTERESTS AND ACTIVITIES

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Technology, Open-Source, Programming  
Alpine skiing, judo, sailing and guitar