

# pascalegourdeau

computer science student

## about

Montreal, Qc  
Canada

McGill email  
personal website  
Twitter

## languages

bilingual french/english  
intermediate spanish

## programming

Python  
C, Java, SML  
CSS3 & HTML5

## interests

machine learning, discrete mathematics, theory of computation, health and social applications of computer science, research, social justice, dance

## education

- since 2012 **Bachelor of Science** McGill University, Montreal  
Honours Computer Science, minor in Mathematics  
CGPA: 3.95/4
- 2010–2012 **IB Diploma** Lester B. Pearson UWC of the Pacific, Victoria (BC)  
Admitted on full scholarship  
Grade: 41/42 subject points, 42/45 total
- 2005–2010 **Diplôme d'études secondaires** Collège Notre-Dame, Montréal  
(Secondary School Diploma)

## experience

- 2014-... **Research Internship, Reasoning and Learning Lab** McGill University  
05 2015-...: *Minimization and approximation algorithms on Singular Value Automata (automata theory and singular value decomposition).*  
05 2014-...: *Machine Learning classification algorithms to predict extubation readiness in exteme preterm infants.*
- 06–08 2013 **Art Supervisor and Performer.** Max Bell Theatre Company, Edinburgh UK  
Play: The Gypsybird Speaks  
*Responsible for the props and the set; dancer*

## distinctions

- 2015 **Anita Borg Memorial Scholarship** Google  
Scholarship recognizing women's contribution and leadership in Computer Science and Software Engineering.  
value of \$5000
- 2015 **Natural Sciences and Engineering Research Council (NSERC) Undergraduate Student Research Award** McGill University  
Summer research in the Reasoning and Learning Lab  
value of \$5625
- 2014 **Science Undergraduate Research Award** McGill University  
Summer research in the Reasoning and Learning Lab  
value of \$5600
- 2010–2012 **Full scholarship to attend Lester B. Pearson UWC** United World Colleges  
International boarding school network working towards peace and a sustainable future  
value of \$80,000
- 2010 **General Governor Medal** Collège Notre-Dame, Montreal  
Academic Performance prize

## extracurricular

- since 2014 **VP Diversity – Computer Science Undergraduate Society** McGill University  
Organize up to 5 events per semester, promote diversity and equity in the student body, attend CSUS meetings and participate and volunteer in the council's activities, act as liaison to other Equity Commissioners on campus
- since 2014 **Hackathons** Various universities  
McHacks (McGill University): top 10 out of 85 teams  
HackPrinceton (Princeton University)  
More info
- since 2014 **Women in STEM volunteering** Various organizations  
Promoting Opportunities for Women in Engineering (POWE): volunteer during the POWE Conference for Future Women in Engineering – McGill University  
Volunteer for a full-day HTML/CSS workshop for girls – Girls Learning Code
- since 2012 **VP Promotion – United World Colleges** UWC Québec Provincial Committee  
Overlook promotion efforts, organize presentations at secondary schools, participate in the selection process to choose new scholarship recipients
- 2013 – 2014 **Executive member, Administrative Council** Club Judo de Verdun  
Website maintenance, social media, communications
- 06–08 2011 **Volunteer in a palliative care home** La maison Desjardins du KRTB  
Cooking for the patients and their family

## research

- 12 2014 **Women in Machine Learning Conference** Montreal  
Poster presentation on Using Machine Learning to Predict Extubation Readiness in Extreme Preterm Infants
- 10 2014 **Undergraduate Research Conference (URC)** McGill University, Montreal  
Selected to represent Computer Science at the URC, a conference organized by the Faculty of Science (top 5 summer research projects)