

# Mitch Mathieu

14mm37@queensu.ca | 613-484-6806 | [www.linkedin.com/in/mitchmathieu](http://www.linkedin.com/in/mitchmathieu) | mitchmathieu.github.io

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## Education

**Candidate for a Bachelor of Science in Computing** **2017-2020**  
*Queen's University, Kingston, ON*

**Candidate for a Bachelor of Science in Chemistry** **2014-2016**  
*Queen's University, Kingston, ON*

## Skills

**Languages:** Python, R, Java, Haskell, Prolog, C, Bash, git

**Software:** Various IDEs (Jupyter Notebook, Spyder, R Studio, IntelliJ, Eclipse, etc.) Github, Microsoft Office

## Experience

**Developer/Team Member** **September 2018 - present**  
QMIND Kaggle, Queen's University

*Skills: Machine learning, data processing, Python, scikit-learn, pandas, numpy, matplotlib, git*

- A project team within Queen's Machine Intelligence and Neuroevolution Design, a student-run team aiming to educate ourselves and our community by developing innovative projects in the field of artificial intelligence. 2018 Queen's Alma Mater Society Club of the Year
- Working as a team of 5 to develop comprehensive machine learning models to be entered in Kaggle competitions
- Applying data preprocessing, feature engineering and diverse ensemble learning to create accurate and robust machine learning models in Python

**Content Creator** **February 2018-August 2018**  
QMIND Educate, Queen's University

- A branch of Queen's Machine Intelligence and Neuroevolution Design
- Used self-taught knowledge to co-create an accredited course at Queen's University (for Fall 2019) titled "A Brief Introduction to Artificial Intelligence" as well as an associated 450-page text that covers topics including search algorithms, Markov decision processes, reinforcement learning, Bayes' nets and more.
- Utilised an approach of "by students, for students" to create resources that are accessible and easy to understand and foster a culture of self-led learning and innovation
- Ran a successful beta test of the course in the summer of 2018 with 50 students

**Start-Up Business Pitch Competition** **November 2017**  
enLIGHT HACKference, Toronto

- Participated in a 24 hour competition to create a business idea under the topic "Smart Cities" to pitch to a panel of judges
- Our idea was to help decrease excavation times at construction sites and increase profit for contractors by optimizing the routes of excavation trucks through the city based on time-dependent data about traffic lights in the city of Toronto
- Pitched the idea to a panel of 5 judges, explaining how we would implement the idea, our market strategy and presenting mock-ups of the application

## Employment Experience

### **Educator**

**August 2017 - present**

lululemon athletica

- Using exceptional interpersonal skills to create genuine connections with guests, making them feel welcome and encouraging them to return to the store
- Utilizing excellent product knowledge and communication skills to consistently meet or exceed daily, weekly and monthly sales goals
- Providing remote support for lululemon's Guest Education Centre in Vancouver by answering hundreds of inquiries from guests via phone and email, regarding online order support, returns and guest satisfaction

### **Camp Instructor**

**Summer 2017**

Explore Workshops and Summer Camp, Queen's University

- Collaborated with other instructors to create 7 weeks of unique camp programming that consistently resulted in children leaving with a quality education on topics related to their in-school curriculum
- Delivered engaging and educational workshops to classrooms across Kingston and the surrounding areas, giving kids the opportunity to learn in a unique and interactive setting
- Provided care and support for upwards of 30 children each week from the age of 4 to 13 years old, resulting in many parents registering their kids for multiple weeks throughout the summer
- Organized promotional events for the camp, including canvassing local businesses and running a weekly raffle, raising nearly \$1000 for Explore's bursary fund

### **Crew Chief**

**Summer 2015, 2016**

Student Works Painting, Kingston

- Managed groups of 2-3 workers on job sites to make sure work was being completed in a timely and professional manner, contributing to nearly \$300 000 of completed work in 2 years
- Solved problems that arose on job sites and addressed concerns from clients to ensure they were consistently impressed with the work being done in their homes
- Collected and delivered thousands of dollars in payments on a weekly basis
- Performed door-to-door sales and scheduled estimates to create a steady flow of jobs, contributing to the full-time summer employment of over 20 students

**Other:** 100+ hours of volunteering as a hockey coach for rep teams and summer camps, 10 years of competitive hockey , Queen's University Rowing Team (2014-2016)