

# Mitch Mathieu

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## Education

### Candidate for a Bachelor of Computing (Honours)

2017-2020

Queen's University, Kingston, ON

(expected graduation: April, 2020)

### 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, HTML

**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, 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)