Mitch Mathieu

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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

Self-Learning (online): Udemy (Machine Learning A-Z, Deep-Learning A-Z), DataCamp

Skills

Languages: Python, R, Java, Haskell, Prolog, C, Bash
Software: Various IDEs (Spyder, Jupyter Notebook, R Studio, IntelliJ, Eclipse, etc.) Github, Terminals and CLIs, Microsoft Office

Experience

Developer/Team Member   **September 2018 - present**
QMIND Kaggle, Queen's University
Python, scikit-learn, pandas, numpy, matplotlib

- 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
- Experience with a variety of models including linear regression, random forest classification, support vector machines, K nearest neighbors, gaussian naive Bayes' LightGBM and neural networks

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

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 100% of 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 complaints 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
- Competitive hockey (up to Jr. A level)
- Queen's University Rowing Team (2014-2016)