

# KATHERINE (THANH) LE

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309 Frontenac St, Kingston ON K7L 3S9

## EDUCATION

**Honours Bachelor of Computing, Queen's University, Kingston, ON**

**2015 – 2019**

- Specialized in Software Design
- Relevant Coursework: Linear Data Analytics, Introduction to Database, Advanced Database Management System, Neural and Genetic Computing

## PROFESSIONAL EXPERIENCE

**Arthur B. McDonald Astroparticle Physics Institute – Kingston, ON**

**May 2018 – Aug 2018**

**Data Analyst**

- Analyzed spending trend of partners using MS Excel and VBA to provide insights in Government Annual Report
- Provided valuable information to the Institute by collecting and scrapping information of over 100+ Canadian and American physicists across many sources
- Designed database of Astroparticle physicists using MySQL and self-made web scraping tools in Python
- Built a family tree web application based on the above database using HTML, CSS, and PHP, similar to academic tree, which is now used to track career path of Canadian physicists and create a network of connections

## EXTRACURRICULUM EXPERIENCE

**Queen's Women in Computing – Kingston, ON**

**Sep 2018 – Apr 2019**

**Event Coordinator**

- Initiated and coordinated networking events and technical workshops that benefit the Computing and Women in Computing community
- Utilized strong communication skills to create a network between employers, alumnus, and undergrad students

**Queen's Engineering Society Development – Kingston, ON**

**Sep 2018 – Apr 2019**

**Team Member**

- Collaborated and developed a personalized scheduler app to benefit Queen's students.
- Oversaw the development of the project and reported back to manager.

**CSearch Conference – Kingston, ON**

**May 2017 – Oct 2018**

**Logistic Director**

- Arranged speakers at the conference by effective communication during tight deadlines
- Oversaw and strategically planned logistics for CSearch - Computing and Research conference

## PROJECTS

**Final Fantasy - Cooking-based strategy card game – Java, C#, Python**

- Designed and implemented UI through Unity and C#
- Generated statistics and images of cards using Python

**Database: Theatre Database – MySQL, CSS, HTML, PHP**

- Designed database for a theatre company using MySQL
- Created a movie theatre website using PHP, HTML, and CSS

**Personalized Scheduler App – Android Studio, Java, REST APIs, MySQL**

- A personalized scheduler that automatically logs into the university's portal and imports students' schedule from the university's website and functions as a daily schedule for students
- Stored schedule as ICS file to be parsed into Android calendar
- Integrated mySQL database to stored personalized schedule

## SKILLS

- **Languages:** Python, Java, C#, HTML, CSS
- **Tools:** Excel, MATLAB and Unity
- **Databases:** MySQL, PL/SQL, MongoDB