

# CAPSTONE PROJECT

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KRYSTAL SI HUANG

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# PART I: INTRODUCTION

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- According to a report prepared by Canadian Bureau for International Education (CBIE, 2018), as a result of varied and evolving push and pull factors, international students are choosing Canada as their study destination in unprecedented numbers. In 2017, for example, there were 494,525 international students in Canada at all levels of study, which represents a 17% increase over the previous year (CBIE, 2018).

# PART I: INTRODUCTION

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- As the top university of the country, the University of Toronto (UofT) has attracted many international students. It is estimated that 26% of the student population at the University of Toronto is comprised of international students (Maclean's, 2016). For international students, the prospect of flying half-way round the world to study in Canada can be daunting, and adjusting to new life here is indeed a challenge. However, incoming international students don't have to be scary or stressful. After all, what makes studying abroad so special is that the process is always exciting and rewarding. New sights, new food, new languages and a different climate will stimulate your senses!
- **This project will mainly explore city of Toronto (i.e., hotels, restaurants, attractions) to help international students navigate their life as well as take the stress out of studying here.**

## PART 2: METHODOLOGY

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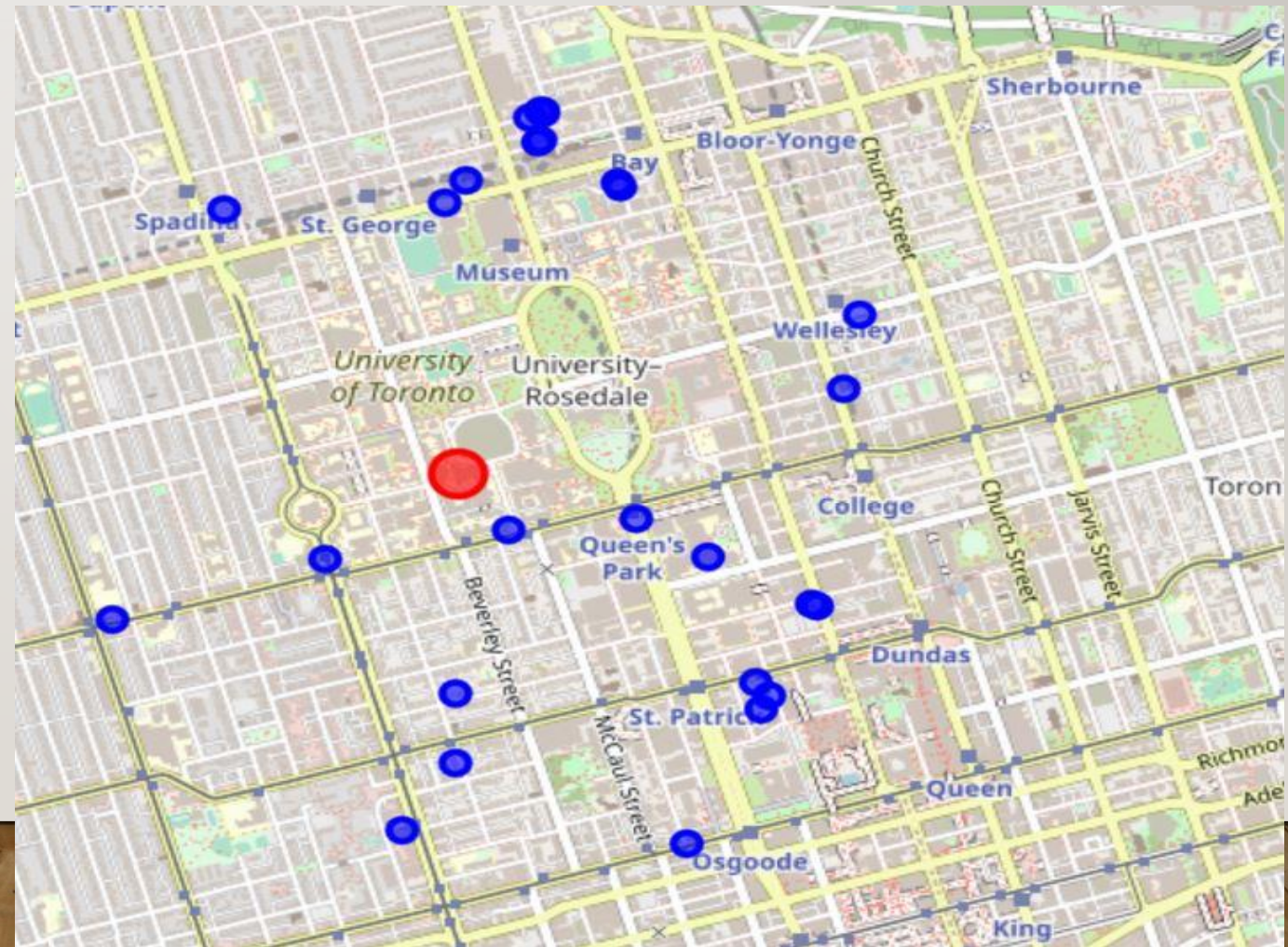
- This capstone project will be using Foursquare to explore the city of Toronto, just as what we learned in this module. Searching for a specific venue category using Foursquare API will be the primary methodology. We'll start by locating some hotels and restaurants near UofT campus and use the visualization library, Folium, to visualize the results. We will then move on to explore some main attractions in the city of Toronto. To do this, Foursquare API is employed.



# PART 3: ANALYSIS AND OUTPUT

- Hotels near the UofT campus

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0 VFM Test Hotel
1 Windsor Arms Hotel
2 The Rex Hotel Jazz & Blues Bar
3 Four Seasons Hotel Pool Deck
4 Toronto Marriott Bloor Yorkville Hotel
5 Hotel MSE
6 Waverley Hotel
7 Shangri-La Hotel Toronto
8 The Hazelton Hotel
9 Global Rewards Hotel
10 jimmy's Home Hotel
11 Red Carpet Diary Suite- Intercontinental Hotel...
12 650 Hotel
13 NanYeang Hotel
14 Hazleton Hotel Spa
15 Stathcona Hotel
16 The overlook hotel
17 Be SixFifty Hotel
18 CM Hotel Toronto
19 Madison Hotel
20 Yorkville Hotel
21 Wellesley Manor Boutique Hotel
22 DoubleTree by Hilton
23 InterContinental Toronto Yorkville
24 ONE Restaurant/Lounge
25 Super 8
26 Op mijn hotelkamer In Toronto
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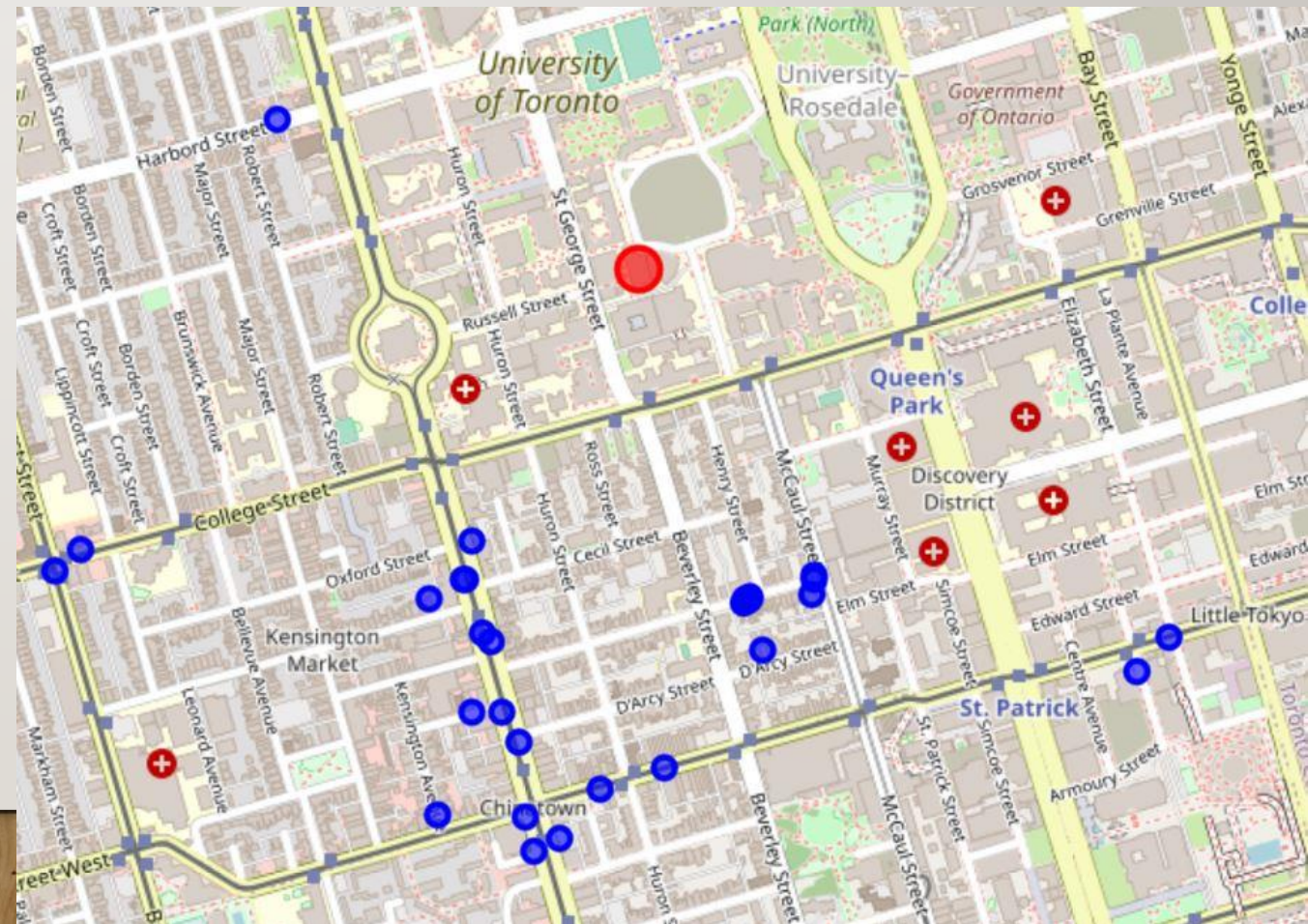




# PART 3: ANALYSIS AND OUTPUT

- Restaurants near the UofT campus

0	Tasty's Caribbean Restaurant & Catering
1	Rol San Restaurant 龍笙棧
2	Some Time BBQ Grill Restaurant 碳烤屋
3	New Sky Restaurant 小沙田食家
4	Goldstone Noodle Restaurant 金石
5	Ka Chi Korean Restaurant
6	Swatow Restaurant 汕頭小食家
7	North-East Chinese Restaurant 華北美食
8	ONE Restaurant/Lounge
9	Green Tea Restaurant Downtown
10	Kensington Cornerstone Restaurant
11	El Rancho Restaurant & Night Club
12	Hemispheres Restaurant & Bistro
13	Sky Dragon Chinese Restaurant 龍翔酒樓
14	Sneaky Dee's Restaurant & Concert Venue
15	Wah Sing Seafood Restaurant
16	Bodega Restaurant
17	River Tai Restaurant
18	Number Two Restaurant
19	Toronto Big Bowl Restaurant
20	Hua Sang Seafood Restaurant
21	Zhu's Restaurant
22	The Winding Road Restaurant
23	Kowloon Seafood Dim Sum Restaurant
24	spring garden Restaurant
25	M.Y. Chaffing Dish Restaurant
26	Huibin Restaurant
27	Rol Jui Seafood Restaurant
28	Sichuan Landscape Chinese Restaurant
29	Dim Sum King Seafood Restaurant

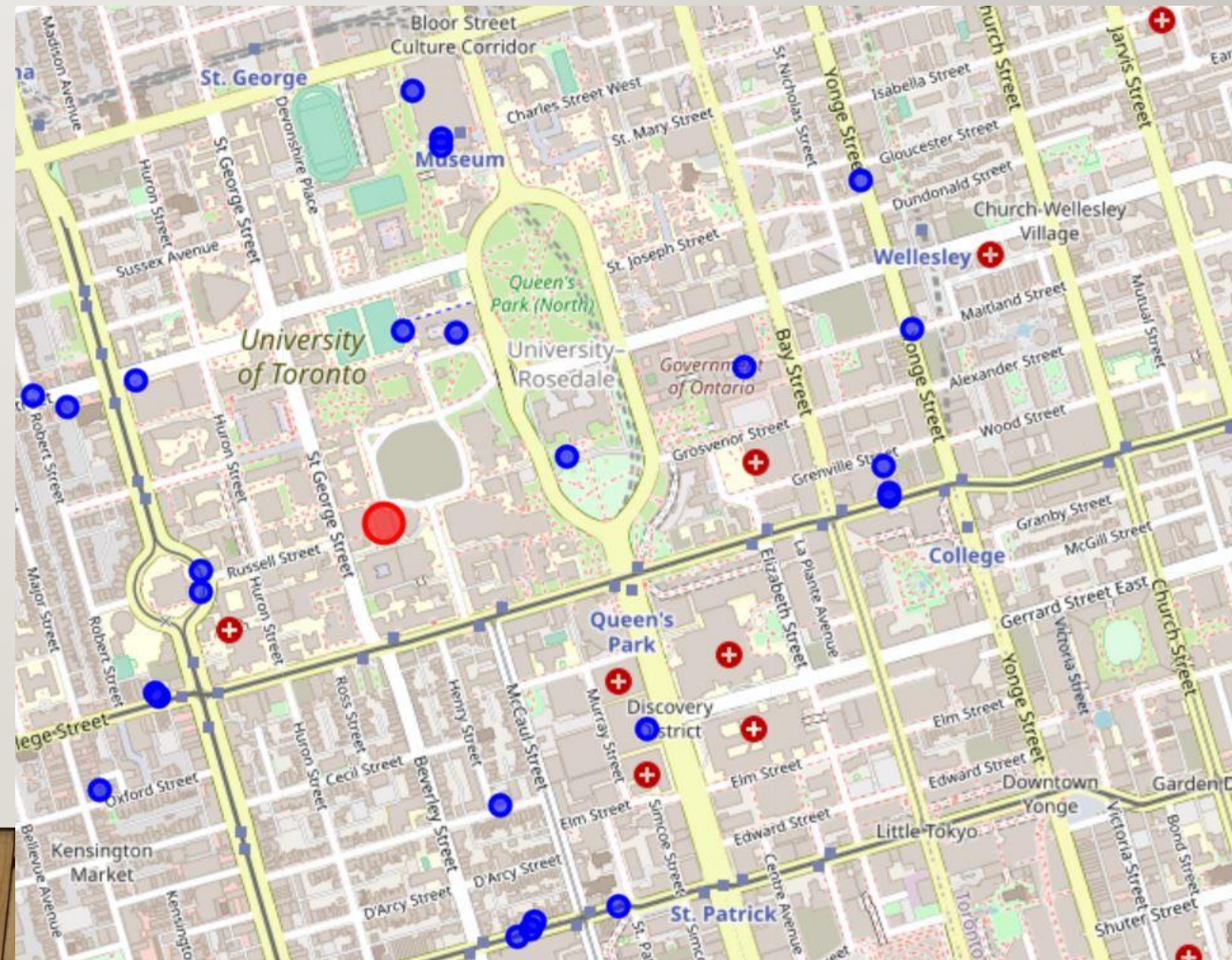




# PART 3: ANALYSIS AND OUTPUT

- Art galleries nearby

0	Art Gallery of Ontario
1	Canadiana Gallery
2	Athletic Centre Pool Gallery
3	Chada Import Gallery
4	Charlie's Gallery
5	Bau-Xi Gallery
6	ROM Egypt Gallery
7	Art Square Gallery & Cafe
8	Gallery Grill
9	Gallery Sushi
10	E.E.L Gallery
11	EEL Gallery
12	Justina M. Barnicke Gallery
13	The Gallery Megagym And Fitness Emporium
14	The Gallery 10th Floor
15	Resistor Gallery
16	Studio Gallery
17	Gallery Hi-Art
18	Gallery Boutique
19	Gallery 36
20	Gallery Gevik
21	Gallery Phillip
22	Fleishman Gallery
23	Gallery One
24	ocad student gallery
25	ROM Contemporary Culture - Roloff Beny Gallery
26	25 Grenville - The Gallery
27	ROM - Sir Christopher Ondaatje South Asian Gal...
28	John B. Aird Gallery
29	scrim4rent gallery studio



# PART 4: RESULTS, CONCLUSION AND DISCUSSION

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- By using Foursquare location data, we examined the hotels, restaurants, parks, and galleries near the UofT campus. In particular, we've found that within 1,000 meters from campus, there are 26 hotels and 29 restaurants. In addition, 29 art galleries are also being displayed using Foursquare location data. It is worth noting that among 29 restaurants, we see that a lot of them are categorized as Chinese restaurants. This is not surprising. It is reported that 30% of international students pursuing studies in Canada come from China (CBIE, 2018); thus, opening Chinese restaurants is an effective way to accommodate those students.



# REFERENCE

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- 1. “International Students in Canada.” Canadian Bureau for International Education, Aug. 2018, [cbie.ca/wp-content/uploads/2018/09/International-Students-in-Canada-ENG.pdf](https://cbie.ca/wp-content/uploads/2018/09/International-Students-in-Canada-ENG.pdf).
- 2. Dywer, Mary. “These Canadian Universities Have the Most International Students.” <https://www.macleans.ca/education/which-canadian-universities-have-the-most-international-students/>, Nov. 2017, [www.macleans.ca/education/which-canadian-universities-have-the-most-international-students](https://www.macleans.ca/education/which-canadian-universities-have-the-most-international-students/).