

Michelle Yoo

3B Joint Statistics & Computer Science

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Personal Website:

<http://michelle-hy-yoo.com>

Github:

<https://github.com/michellehy95>

EXPERIENCE

Data Engineer, Toronto, CA

Jan 2017 - Apr 2017

Scotiabank — Network Analytics & Machine learning

- Implemented all-in-one program in Python and MapReduce to parse the raw data, populate staging tables and store the refined data
- Migrated Hadoop programs into Spark using Java and SparkSQL
- Applied statistical analysis and graph theory to analyze financial data

Data Scientist, Seoul, KOR

Aug 2015 - Apr 2016

MINDs Lab — Analytics Technology Division

- Researched and applied Text Classification and Machine Learning algorithms including TF-IDF, K-Means Clustering and Deep Learning
- Developed working knowledge in Speech Recognition and NLP through transcription of customer service calls

Big Data Analyst, Seoul, KOR

May 2014 - Aug 2014

MINDs Lab — Analytics Technology Division

- Built and distributed monthly analysis reports of Facebook Pages for LG Electronics and Samsung Electronics in 43 countries
- Performed Social Data Analysis with News, Blogs and Twitter data to analyze market trends and Voice of the Customer in various industries

PROJECTS

DataFest, <https://github.com/michellehy95/DataFest>

May 2017

- Received Honorable Mention in Data Hackathon sponsored by organizations such as Google, ASA and UWaterloo
- Analyzed Expedia data using Python to understand the various customer behavior patterns based on customer clicks and bookings

Chess Game, <https://github.com/TimBaek/Chess>

Aug 2016

- Built a strategic traditional chess game with AI options using C++
- Received 96% in a group project of coursework

SUMMARY

- Proficient in Python (NumPy, SciPy, Pandas, Matplotlib), C++, C, Java, R, Hadoop, Spark
- Familiar with Machine Learning, Data Science, Data Engineering and Data Visualization
- Fast-learner who can work under pressure with minimal supervision

EDUCATION

University of Waterloo

Sep 2013 - Present

- Joint Honours Statistics and Honours Computer Science with Business Option

ACTIVITIES

United Nations Volunteering

Apr 2017 - Present

- Contributed to Website Parsing Project for a social business Niños de Guatemala

Escuela Hosanna in Honduras

Apr 2017

- 1 week volunteering trip to teach HTML, CSS and JavaScript to Honduran high school students

Data Science Club

May 2016 - Dec 2016

- Handled various administrative responsibilities for 800+ members as the VP of Internal Affairs