Jing Li

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EDUCATION

York University   Toronto, Canada
Bachelor of Arts in Computer Science   *May 2018 – May 2021*
- GPA 8.57/9
- Continuing Student Scholarship, Lassonde Undergraduate Research Award, Merei Family Scholarship

TECHNICAL SKILLS

Languages: Python, Java, C, SQL (Postgres/PostGIS), XQuery, JavaScript, HTML/CSS
Tools: Git, Docker, Firebase, SUMO, OpenRefine, Hadoop MapReduce, Tableau, LaTeX
Libraries: Pandas, NumPy, Matplotlib, NetworkX, Scikit-Learn, Keras

WORK EXPERIENCE

Research Assistant   Apr. 2020 – Present
Data Mining Lab, Lassonde School of Engineering   *Toronto, Canada*
- Conducted research in the project of Epidemic Dynamics in Trajectory Networks
- Reviewed relevant literature on epidemic models and machine learning approaches to epidemiological modeling
- Developed the novel computational model for predicting infection risk of individuals based on mobility data; Simulated the disease spread within a community; Evaluated and assessed different disease containment strategies
- Provided a live oral presentation at 2020 Lassonde Undergraduate Summer Student Research Conference (online)

Junior Financial Controller   Apr. 2016 – Apr. 2018
China International Capital Corporation   *Beijing, China*
- Reported monthly financial statements; Assisted in financial budgeting and financial forecasting
- Increased overall accuracy and productivity in reporting by writing scripts for data extraction and preprocessing

PROJECTS

Eco-Commute | *Google Maps API, Firebase, FireStore, Chrome Dev Tools*   Jan. 2021 – Jan. 2021
- Implemented a Google Maps (Chrome) extension that computes carbon emissions for every transit route
- The extension informs the user of the route with the lowest carbon emissions and how much they save on carbon emissions compared to driving. Carbon savings are stored in our scalable cloud storage

DegreeMap | *Python, JavaScript, HTML/CSS*   Feb. 2019 – Mar. 2019
- Developed and implemented a web application that provides enrollment guidance to students
- Implemented a web data scraper extracting course information from York University web pages
- Finished the functionalities for Computer Science major and Software Engineering major

TRAINING AND WORKSHOPS

IBM Canada   Jun. 2020 – June. 2020
NSERC CREATE Program in Dependable Internet of Things Applications   *Toronto, Canada*
- Actively participated in workshops about IBM tools and platforms that could be used to apply knowledge of IoT in a variety of areas and disciplines; Learned and practiced IBM Cognos Analytics, Node-RED and Watson

VOLUNTEER EXPERIENCE

English Teacher   Sep. 2014 – Apr. 2015
Migrant School Learning Initiative   *Nanjing, China*
- Taught English classes and organized activities at Bainian Vocational School where kids came from migrant or rural backgrounds, and were not privileged to the same opportunities as urban children
- Motivated students' interests in English by making the learning process interactive and fun