Gancheng Luo

+ 1 647-870-3941 | andy8647lgc@gmail.com | **andy8647.com** | Toronto, ON, M4Y 0G4

HIGHLIGHTS OF QUALIFICATIONS

- Motivated and detail-oriented Computer Science, Statistics, and Math student with strong knowledge of front-end and back-end development, data visualization and software development cycle.
- Developed and demonstrated multitasking skills, fasting learning ability, and extensive teamwork experience.
- Self-motivated, results-driven, development player, with excellent interpersonal and communication skills.
- Proficient in programming languages including JavaScript, HTML5, CSS3, Python, C, Java, Git, R, LaTeX, Markdown, SQL.
- Strong understanding of JS frameworks with React, NodeJS, MaterialUI, jQuery.

EDUCATION

University of Toronto   Toronto, CA

Bachelor of Science, Major in Statistics, Minor in Mathematics and Computer Science   Sep. 2017 – Present

- Main Courses: Math Expr&Rsng for Cs, Data Structures & Analysis, Software Design, Intro to Databases, Intro Machine Learning, Soft Tools & Sys Prog, Programming on Web, Methods of Data Analysis

Certificates

- SAS Certified Professional: Base Programming Using SAS 9.4

WORK EXPERIENCE

Coco Fresh Tea & Juice   Toronto, CA

Technical Associate   Nov. 2017 – Present

- Maintained store database with data regards to sales, raw materials, inventory, workforce and revenue to perform analysis on products profitability and manage workforce scheduling.
- Developed a regression model and time series model to forecast revenue in the coming year using time series and statistical method in R and Python.
- Led the company website design with features including employee time scheduler, internal message system using HTML, CCS, JS, Express and MongoDB.
- Maintained the website and server as the main developer, solved ad-hoc issues in a timely manner.

PROJECT EXPERIENCE

Dynamic Data Visualization Library at Dynrank.js

- Designed a data visualization library to demonstrate the dynamic changing of rankings of objects.
- Enabled developers to determine chart color, size, animation speed or control buttons based on DOM manipulation by jQuery.

Online Cryptocurrency Community and Trading at CryptoGoGo

- Led and designed a website to support cryptocurrency trading simulation with live price and discussion board.
- Built with React for front-end, Express and MongoDB for back-end with applications of REST API to enable website functionalities.
- Implemented front-end for the community section by React and MaterialUI, using MongoDB schema to connect back-end API.
- Iterated the design prototypes through multiple phases to make improvements and troubleshoot the potential pain points to achieve the final web product.

Bank Deposit and Transaction System

- Designed a banking system by Java with functionalities such as deposit, money withdraw, transaction between accounts, and bank employee management.

Study Ability Simulation

- Leveraged machine learning techniques using KNN, Neural Networking, Ensemble learning to use historical study performance to predict future outcome for students at online learning website.
- Tested and adjusted hyperparameters to achieve an accuracy of 80+% and ranked at top 20% in a Kaggle competition.

Personal Website at andy8647.com

- Developed a personal website with Github Pages and Jekyll, added customized domain and Google Analytics.