Gancheng Luo

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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, HTML&CSS, Python, C, Java, Git, R, LaTeX, Markdown, SQL.
- Strong understanding of JS frameworks with React, MaterialUI. Familiar with NodeJS, npm, Ajax, and 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 China Town   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 a time series model to forecast revenue in the coming year by 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.