

Gancheng Luo

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[Personal Website](#)

Objective

Motivated and detail-oriented Computer Science, Statistics, and Math student who excels at machine learning algorithms and web programming. Possess good knowledge of front&back end development, statistical modeling, multitasking skills, fast learning ability, and extensive experience in working in a team.

Technical Skills

- General skills: JavaScript, HTML&CSS, C, MongoDB, Java, Git, Python, R, \LaTeX , SQL
- JS frameworks: React, NodeJS, MaterialUI
- Python packages: NumPy, SciPy, Matplotlib, Sklearn
- Machine Learning algorithms: KNN, regression, neural networks, decision tree, regularization

Projects

- Dynamic Data Visualization Library at [Dynrank.js](#)
A JavaScript library for demonstrating the dynamic changing of rankings of objects.
Based on DOM manipulation by JS.
- Online cryptocurrency community and trading at [CryptoGoGo](#)
A website built with React for front-end and Express and MongoDB for back-end.
Provided simultaion trading for cryptocurrency and discussion board.
- Personal website at [andy8647.com](#)
A personal website built with Github Page and Jekyll
- Students' ability prediction for online learning website
A machine learning project involving KNN, neural networks, and ensemble, built with PyTorch, NumPy, SciPy, and matplotlib,
- Hand writing digits classification based on various ML algorithms
Classified hand writing digits provided by MNIST with KNN, penalized logistic regression, and NN
- Bank deposit and transaction system
A simultaion of bank system built with Java. Provided deposit, withdraw, and transaction functionality.

Certification

SAS Certified Professional: Base Programming Using SAS 9.4

Education

University of Toronto

Sep 2017 - present

Bachelor of Science, Major in Statistics, Minor in Mathematics and Computer Science

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