联系方式

www.linkedin.com/in/zeyutong (LinkedIn)

热门技能

Java

Python (Programming Language)

Machine Learning

Languages

Mandarian (Native or Bilingual)

English (Professional Working)

Certifications

Passed CFA Level I Exam

Programming for Everybody (Getting Started with Python)

The Web Developer Bootcamp

Introduction to Probability and Data

Zeyu Tong

Data Scientist with a background in Engineering, Applied Mathematics, and Statistics

Orange County, California Area

个人简介

My name is Zeyu, and I'm a recent graduate of Master of Science in Engineering, Applied Mathematics, and Statistics with transferable skills set in areas of software development, data science, and project management. Much of my work and training over the past three years has enabled me to develop excellence in orchestrating various processes involving the creation and refinement of highly functional and robust software. With a training background that has seen considerable success in employing machine learning and statistical techniques to facilitate the development of state-of-the-art solutions, I am confident that I can replicate the same degree of success in designing, evangelizing, and implementing high-quality software products for a wide array of practical applications.

Please feel free to contact me at stephen.tong25@gmail.com with your thoughts or inquiries about my work—I'm always interested in building new professional connections.

工作经历

Eureka By SAP S/4HANA

Data Scientist

2020 年 1 月 - Present (3 个月)

Newport Beach, CA

Lieber Institute for Brain Development

Data Scientist/Research Associate

2019 年 7 月 - 2020 年 1 月 (7 个月)

Baltimore, Maryland Area

As a Data Scientist and Research Associate, I am responsible for the pre-processing of four kinds of data and referencing gene expression data on mental diseases. Other duties include testing of associations between gene and phenotype, and prioritizing candidate genes for functional trials. Significant accomplishments include:

• Translated genetic and molecular mechanism of schizophrenia and related brain disorders into clinical advances.
• Wrote scripts to automate data pre-processing and train models parallelly, which substantially reduces running time by 20%.
• Designed a system based on machine learning that lets organizations easily implement imputation in GWAS and uncover associations between genes and mental diseases for functional trials which changed lives of affected individuals.

JerseySTEM
Data Analyst (Volunteer - Remote)
2019 年 4 月 - 2019 年 7 月 (4 个月)
Jersey

As a volunteer Data Analyst, I was tasked with collecting and analyzing census and educational data from the public US government website. In addition, I also wrote automated Python codes for the preprocessing of data such as rename columns, replace null values and other weird values, and split columns with different information into separate columns. Significant accomplishments include:
• Implemented automated data cleaning, imputation, and normalization functionalities
• Created tables and uploaded cleaned data to MySQL and AWS databases
• Credited for authorship of documentation for guiding future volunteers in understanding the data analysis process and enabling them to start working easily and promptly

JD.COM
Data Mining Engineer Intern
2018 年 6 月 - 2018 年 8 月 (3 个月)
Beijing City, China

As part of my internship training program, I worked on the implementation of ETL pipelines for transferring raw data to different platforms, and development of SQL queries for validating data completeness and accuracy (Hive SQL). Significant accomplishments include:
• Reduced redundancy in analysis time for writing SQL by associating various tables to construct new business tables for direct metrics extraction of response time of current order and required walking distance of robot to complete the current order
• Improved the performance of predictive model for unmanned warehouse orders by 8% through appraisal and execution of optimization proposal

• Built evaluation system for warehouse ground QR codes internet connection quality
• Reduced AGV malfunction frequency by 10% through identification and resolution of a key issue in network structure.
• Designed metrics for measuring the current loss package rate of data commission from auto-guided vehicle (AGV)
• Slashed frequency of malfunction by 15% through the formulation of a proposal for splitting data commission of two different kinds of information, one called main and the other called move control (forward or backward, turn left or right, lift a shelf, etc.)

教育经历

The Johns Hopkins University

Master of Science (M.S.), Applied Mathematics and Statistics · (2017 - 2018)

University of Pittsburgh

Master of Engineering (M.Eng.), Material Science and Engineering · (2015 - 2016)

Beihang University

Bachelor's degree, Material Science and Engineering · (2012 - 2016)