

Boheng Lin

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SUMMARY

I am a highly adaptable fresh graduate with a diverse background. With task prioritization and time management skills, I completed the usual 4-year bachelor's in 2 years' time while excelling in academics, part time jobs, internships and a student organization. In the final semester for my master's degree, I also adapted to different roles with ease as I worked for two internships while completing the degree.

SKILLS

- **Databases:** Access, PostgreSQL & Azure data factory, DataBricks, data engineering
- **Programming Languages:** SAS, Python, R, HTML
- **Visualization:** [Tableau](#) & PowerBI
- **Analytics:** Unsupervised (clustering) and supervised (regression) machine learning. Statistics, Web scraping, GIS, background in economics and finance.
- **Communication:** Bilingual in Chinese Mandarin and English, event planning and execution.

EDUCATION

Tufts University

M.S. Data Analytics

December 2020

- Recipient of Data Analytics Scholarship 2019, GPA: 3.7/4.0;

University of Massachusetts Amherst, USA

B.S. Resource Economics (Graduated with Cum Laude Honor)

August 2019

- Recipient of Chancellor's Scholarship 2017 and Faculty Award for Academic Excellence Scholarship 2019;
- Cumulative GPA 3.85/4.0, Dean's List every term, outstanding Academic Achievement by the Honour Society of Phi Kappa Phi 2018;

Anglo Chinese Junior College, Singapore

Singapore-Cambridge GCE A Level Certificate

December 2016

- Graduated in top 10% of the class, with 5 distinctions in Singapore-Cambridge GCE A Level 2016;
- Scholastic Merit Award.

PROJECTS ([Link to all projects](#))

[Image Compression using Singular Value Decomposition \(Matlab\)](#)

- Used singular value decomposition to assess the effects of compressing an image of 1528*1225 pixels using the top 10, 25, 50 and 100 largest singular values and explore the possible optimum number of singular values to be used for the compression.

[Exploring the inconsistency of KMeans in identifying breast cancer cells using principal components \(Python\)](#)

- Used principal component analysis and dimension reduction to facilitate KMeans algorithm to assess the consistency and accuracy of classifying malignant and benign breast cancer cells;
- Compared classified label to the original label and determined low applicability of using KMeans on PC dimension reduced dataset.

[Exploring the Representativeness of Batting Average on Major League Baseball Players' Performances \(Python\)](#)

- Used pandas, re, requests, and bs4 (BeautifulSoup) to perform web scraping, extracting MLB players' scores with about 350 entries;
- Used sklearn and pandas to perform ridge regressions, linear regressions, supervised machine learning and principal components analysis to assess the representativeness of the batting average score

[CT Level Analysis on Gun Violence And the Demographics in Boston, Massachusetts \(R Language\)](#)

- Used dplyr, clusteval, rgdal to perform supervised learning, K-Means clustering and linear regression on data set with 1400 entries;
- Conducted quantitative and qualitative analysis on gun violence and the demographics in Boston from 2010 through 2018 link

EXPERIENCE

Retail Business Services LLC, a company of Ahold Delhaize USA

June 2020 – Dec 2020

Business Intelligence & Analytics Co-op

- Responsible for technical design and development of business intelligence solutions, constructed copy data pipeline independently in Azure data factory;
- Using pyspark, sparklyr, SparkR and SQL to construct analysis codes on Databricks for a customer segmentation project;
- Assisted in constructing scripts that enables auto detection of metadata for files and folders at a given path.

- China Blue Sustainability Institute** **April 2020 - Present**
 Project Assistant Intern
- Explored and assisted in developing database for iFISH project, including fishing related data collection, data analysis and methodology development;
 - Analysed and construct visualizations based on collected data and constructed analysis reports published on company's public WeChat account.
- Carmichael Dining Center, Tufts University, Medford** **September 2019 – May 2020**
 Student Manager
- Assisted in various dining units in providing quality services, able to multitask under stress and fast pace working environment;
 - Supervised and effectively communicated with all student workers complete assigned tasks timely;
 - Bridged between the management team and student workers to achieve operational and customer service objectives.
- Shenzhen SME Credit Financing Guarantee Group Co. Ltd** **May 2019 – Aug 2019**
 Shenzhen, China
 Assistant to Manager Intern
- Compiled and analysed the Group's internal data including guarantee amounts, mortgages and projects completion statues, and reported relevant findings to respective managers;
 - Processed projects data including data gathering, data cleaning and cross validation for '2019 SME integrity list';
 - Independently reviewed and analysed SMEs' balance sheets and profit and loss statements;
 - Collaborated with legal department and finance department of the Group on several projects and new mortgages.
- Isenberg School of Management** **September 2018 – December 2018**
Massachusetts Small Business Development Center, Springfield
 Business Consultant Intern
- Conducted market research and reviewed business plans for clients;
 - Prepared and analysed financial projects for clients including profit and loss and balance sheets;
 - Met with clients to advise them on both marketing strategies and financial cash flows.
- University of Massachusetts Amherst Dinning Hall, Amherst** **September 2017 – May 2019**
 Student Worker
- Prepared ingredients, made sushi and deli sandwiches and served food, able to complete given tasks independently.
- Din Tai Fung (Tampines Mall), Singapore** **June 2015 – February 2016**
 Waiter
- Provided quality service under fast pace environment, able to multi-task under pressure.
- Buddhist Compassion Relief Tzu Chi Foundation, Singapore** **March 2014 – May 2016**
 Member Volunteer
- Actively engaged in monthly community recycling and campaigning, carried out activities at a care home.
- Berries World School of Learning (TPCL) Pte Ltd, Singapore** **March 2014 – December 2015**
 Teaching Assistant
- Assisted six teachers in the conduction of lessons from primary one to three, smoothly worked with teachers with different teaching styles.

ACTIVITIES

- University of Massachusetts Amherst**
 The Honour Society of Phi Kappa Phi member **March 2019 – March 2020**
- International Student Ambassador** **December 2017 – December 2018**
- Coordinated information sharing and outreach for potential applicants from Singapore and China.
- Chinese Music Association** **September 2017 – May 2019**
- Treasure and Signature Responsibility Officer, responsible for applying, budgeting, and managing group's funds of about 2000 US dollars
 - Proposed and organized fundraising that financed in total of about 1000 US dollars for the group.
- Anglo Chinese Junior College**
 Competitive Swimming Team **January 2015 – December 2016**
- Boys' Team Captain, finalist in the 57th National Schools Swimming Championship (Singapore)