

PROFILE OVERVIEW: Business Analysis ▪ Big Data ▪ Business Intelligence ▪ Data Analytics ▪ Visual Modeling ▪ Critical Thinking

An Applied Economics Master's student graduate with a strong interest in using emerging technologies in data analysis, such as Big Data, Cloud Services, and Python. My technical aptitude and problem-solving skills paired with my education have armed me with the data knowledge to deliver cost-effective solutions and forward-looking data insights.

SKILLS:

- **Language:** Fluent in English and Korean, intermediate proficiency in Mandarin
- **Computer:** R, Python, Tableau, SAS, Microsoft Office Suite (Word, Excel, PowerPoint), Stata, QGIS, SQL

RESEARCH PROJECTS:**ANALYSIS ON IOWA LIQUOR SALE** / Excel, R, and Tableau

- Used Excel and R to merge and organize data set of 23,089 liquor sales in Iowa to analyze sales dynamics, liquor subcategories dynamics, geography of sales, and behavior of liquor sales across specific days of the year. Used R and Tableau to identify and visualize the interesting patterns in sales of tequila, gin and brandy

IDENTIFICATION OF HANDWRITTEN IMAGES / Excel, Python, and R

- Utilized R and Python to polish raw data set of 28,000 handwritten images and write performance testing functions for classification models to correctly identify numbers, regardless of handwriting. Utilized Random Forest and SVM for the highest accuracy.

LANGUAGE PROCESSING – ROTTEN TOMATOES / Excel and R

- Cleaned the raw data set of 8,544 movie reviews from Rotten Tomatoes to develop a program that could understand language ambiguity and sentence negation to evaluate new reviews as positive, neutral, or negative. Utilized N-gram method and Naïve Bayes model for best performance.

EDUCATION:**BOSTON COLLEGE**, Chestnut Hill, MA*Master's degree in Applied Economics***Aug 2018 – May 2019***Bachelor of Arts in International Studies, Concentration in Economics, Minor in Chinese***Aug 2014 – May 2018****SHANGHAI UNIVERSITY OF FINANCE & ECONOMICS**, Shanghai, China**Summer 2016***Coursework in Global Economics, Received IFSA-Butler's Academic Achievement***COURSES:**

Data Analysis, Big Data Econometrics, Operations Research, Predictive Analytics and Forecasting, Market Research and Analytics

PROFESSIONAL EXPERIENCE:**Boston College Office of International Students and Scholars**, Chestnut Hill, MA**Sept 2015 – May 2019****GRADUATE ASSISTANT**

- Analyzed and documented program survey data to understand student satisfaction to help drive plans for improvement with associate deans. Helped detail solution plans for the upcoming semester
- Established and strengthened interpersonal relationships with international students by attending events and networking, and developed skills on working with people from different cultural and educational backgrounds
- Helped implement educational and social programs for 2,900+ international students with strict monthly planning to account for numerous governmental deadlines and documentation requirements

Dentium, Shanghai, China**June 2016 – Aug 2016****MANAGEMENT INTERN**

- Coordinated supply chain efforts by acting as a language liaison between Chinese product managers and Korean product managers for products to and from Korea
- Collaborated with the marketing department to digitally advertise monthly on-site seminars for dentists with the aim of introducing new and existing products
- Improved customer evaluation surveys by identifying top products and developing tailored feedback questions. Previously, Dentium utilized one general survey for all products with low response rates

Madalica, Shanghai, China**June 2016****RESEARCH ASSISTANT**

- Created a daily report of Shanghai and Korean fintech market size, market share, and potential emerging competitors for supervisor
- Conducted competitor research on Korean fintech company websites' distinctive qualities such as trust and information accessibility for the investors