

JAY (JAI WOO) LEE

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PROFILE - BUSINESS & DATA ANALYTICS PROFESSIONAL

- Master's Candidate in Business Analytics seeking a full-time Business & Data Analytics position in June 2022
- Detail-oriented and result-driven Analytics Expert with 5+ years of proven business & financial analyst experience in a fast-paced corporate setting VC industry, operation management and competent data analytics capabilities
- **Tools:** SQL, Tableau, Python(pandas, numpy, matplotlib, scikit-learn, nltk, keras), R, MS Word/Excel/PowerPoint
- **Core Competencies**
 - Data Mining
 - Data Visualization(Tableau)
 - Strong Business Acumen
 - Machine Learning
 - Unstructured Data Analysis
 - Cross-functional Leadership
 - Time Series Forecasting
 - Optimization
 - Written & Verbal Communications

EDUCATION

Purdue University, Krannert School of Management **West Lafayette, IN**
Master of Science in Business Analytics and Information Management (BAIM) **June 2021 – Present**

Boston University, Questrom School of Business **Boston, MA**
Bachelor of Science in Business Administration (Concentrations: Finance, Accounting) **September 2011 – May 2017**

DATA SCIENCE PROJECT

<https://jaylee21.github.io/>

- **Optimizing Seed Data for Neural Machine Translation** **January 2022 – Present**
 - Identifying optimal order of seed data to generate more accurate machine translation results with using minimum data, expected to reduce cost and time by ~50% (\$6M+, 7-8 years, respectively) to complete 10-20 large translation projects
 - Client: SIL International | Skills: nltk, Transformers, JoeyNMT
- **Phishing Emails Classification (Kaggle Competition, 3rd Rank)** **February 2021**
 - Built machine learning models that classify phishing emails with 98% accuracy
 - Skills: pandas, scikit-learn(machine learning, SVM, XGBoost), Tableau
- **Development of Machine Learning Models to Enhance Categorization** **November – December 2021**
 - Improved search rate by 19% through building ML text classification model in Craigslist
 - Skills: pandas, numpy, nltk(text representation), scikit-learn(preprocessing, machine learning), keras(RNN)
- **Improvement of KPI Tracking System** **November – December 2021**
 - Improve KPI Tracking System, expected to lower cost by 45% and increase education service quality
 - Client: California University Silicon Valley | Skills: SQL, DB design

PROFESSIONAL EXPERIENCE

Korea Telecom Corporation (Businesses in Telco/Media/Finance/Real estate/AI/Healthcare) **Seoul, South Korea**
Associate Strategic Investment Manager: Business Analyst specialized in inorganic growth **July 2017 – March 2021**

Performed extensive business and financial analyses for strategic investment on 50+ startups in various tech industries such as fintech, 5G, AI B2B service, etc., **successfully promoted business synergy as well as realized \$20M+ capital gains** by working individually or collaboratively with cross-functional departments and stakeholders

- **Fintech Startup Case:** identified key insights based on analysis of market, strategy, business models and financial data, leading to saving in acquisition price by 15% (\$7.5M) and development of new fintech service
- **5G Chip Startup Case:** achieved 2X unrealized gain (\$20M) and cost saving in 5G capex. by ~20%
- **Fund Management:** managed 10 global VC funds (\$72.5M) and invested \$10M in 2 Silicon Valley VC funds, sharing latest business/tech trends and 10+ startups to stakeholders and cross-functional departments

Republic of Korea Army (ROKA)
Sergeant – Operation Manager

Gangwon, South Korea
September 2014 – June 2016

- Led 6 soldiers to manage General Hall for 20+ months, successfully increased revenue and decreased cost by 200% and 30% in 2 years, respectively, through performing various business strategies and analyses