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
- 5+ years of proven experience of business & financial analysis in a fast-paced corporate VC sector, operation management as well as competent data analytics skills with strong leadership and communication capabilities
- *Tools:* SQL, Tableau(Desktop Certificate), Python(pandas, numpy, scikit-learn, nltk, keras), R, Analytics Solver, MS office
- *Core Competencies*
  - Data Mining/Data Analytics
  - Data Visualization(Tableau)
  - Business/Financial Analysis
  - Machine Learning
  - Unstructured Data Analysis
  - Cross-functional Leadership
  - Time Series Forecasting
  - Project Management
  - 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** | NLP, fasttext, Transfomers   **January 2022 – Present**
  - Established neural machine translation framework that generates high accuracy rate using minimum seed data through optimizing order of seed data, expected to reduce cost/time by ~50% ($6M+/7-8 years) for 10 large translation projects
  - Selected to present the solution at INFORMS Business Analytics Conference and Midwest Decision Sciences Institute
- **Lung Cancer Survival Analysis** | R, Kaplan-Meier Plot, Cox Hazards Model   **February 2021**
  - Discovered and quantified significant factors that affect lung cancer such as ECOG performance or Karnofsky scores to aid decision making for medical professionals, ultimately improving treatments and patients' qualify of life
- **Development of Text Classification Models** | nltk, scikit-learn, Gradient Boosting   **November – December 2021**
  - Developed machine learning text classification model that correctly classifies posts to corresponding categories for video gaming category in Craigslist, enhancing customers' engagement by improving search rate by 19%
- **Development Effective KPI Tracking System** | SQL, database design   **November – December 2021**
  - Conducted business flow analysis to define KPIs, designed ER diagram & relational schema, and built SQL scripts that tracks KPIs, expected to lower human capital cost by 45% and increase education service quality

PROFESSIONAL EXPERIENCE

Korea Telecom Corporation   **Seoul, South Korea**
Associate Strategic Investment Manager: Business Analyst specialized in inorganic growth   **July 2017 – March 2021**

Performed extensive business and financial analyses for business assessment and strategic investment on 50+ startups in various tech industries, **successfully accomplished new service development, cost reduction as well as realized $20M+ capital gains** by working individually or collaboratively with internal/external key 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 potential 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 to retain investment pipelines, share latest business/tech trends and introduce startups to relevant business units

Republic of Korea Army (ROKA)   **Gangwon, South Korea**
Sergeant – Operation Manager   **September 2014 – June 2016**

- Led 6 soldiers to manage General Hall, successfully drove revenue and profit by 130% and 40%, respectively, through performing demand analysis, new menu development, promotions, and inventory management