YOON TAE PARK

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EDUCATION

NEW YORK UNIVERSITY   **New York, NY**
Master of Science in Data Science   **Expected Graduation: May 2023**
- Relevant coursework: Machine Learning, Big Data, Natural Language Understanding, Probability and Statistics

SEOUL NATIONAL UNIVERSITY   **Seoul, Korea**
Bachelor of Arts in Business Administration   **Graduated Feb. 2014**

WORK EXPERIENCE

Walmart Global Tech   **Sunnyvale, CA**
Incoming Data Science Intern   **Starting May 2023**

UNDP(United Nations Development Programme)   **New York, NY**
Research Assistant   **Dec. 2021 – Present**
- ML for Good: Improving Safety in an Earthquake with Machine Learning
- Developing methods to build a model which evaluates earthquake evacuation paths and routing

SAMSUNG ELECTRONICS   **Suwon, Korea**
Finance Planning Lead, NEXT ERP Task Force   **Oct. 2018 – Jun.2021**
- Elected as chair of two automation projects for finance division that applies machine learning solutions
- Identified problems on data preprocessing and proposed categorization of input variables to prevent data overfitting
- Applied Decision Tree and Naive Bayesian method that enhanced the accuracy of the tasks from 60% to 95%
- Built an automation scenario from invoice to accounting system and proposed learning methodologies for each field with a developer

Finance Manager, Mobile Division   **Feb. 2014 – Oct. 2018**
- Analyzed, investigated, and reported financial information of the mobile division in monthly closing of financial statements
- Developed a chatbot that provides information on expense management and reimbursement in company intranet; used node.js and natural language processing and completed prototype production
- Managed facility investments of 8 overseas production plants, reviewed the investment plans and saved USD 730 million by comparing plans with executed investments and reallocating excessive investment budgets to future years

PROJECTS

Citadel Fall 2021 Central Regional Datathon (1st place): Tobacco usage data analysis   **Nov.2021**
- Generated geographic data visualizations that shows the pattern of tobacco usage in relation to MPOWER (WHO Framework Convention on Tobacco Control)
- Built a regression model on tobacco usage using MPOWER and Geographic location

NYU Center for Data Science: Graduate Student Analysis and Visualization   **Sep.2021 – Dec.2021**
- Analyzed NYU data science past graduate students' academic data to uncover distinct correlations
- Visualized student academic performances and career outcomes that will assist prospective incoming students

Samsung Electronics: Vendor Transaction Automation & Payment Method Recommendation   **Oct. 2018 – Jun.2021**
- Automatically filled accounting information from invoice, and recommended payment method from accounting information by using supervised machine learning with 95% accuracy
- Optimized prediction model by adopting Naive Bayesian to text data and Decision Tree to non-text data

TECHNICAL SKILLS

- Python
- SQL
- Microsoft Excel
- Tableau
- Git, Github