Farhad Zmarai

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PROFESSIONAL SUMMARY

I am an aspiring software engineer with 3 years of experience in data analytics that allowed me to develop excellent skills in exploratory data analysis. Since pursuing my Masters in Computer and Information Technology I have learned data structures and algorithms, computing systems and have mastered programming in Java. I am seeking to leverage my deepening understanding of technology to join an innovative tech team.

Key Technical Skills: Java, Python, SQL, JUnit, Pandas, Data Visualization, Exploratory Data Analysis, Data Science and ML Fundamentals

EDUCATION

University of Pennsylvania, Philadelphia, PA Expected: **05/2022**
Master of Computer and Information Technology (GPA: 3.77/4.00)
Relevant courses: Software Development, Computing Systems, Data Structures and Software Design, Computing Systems, Algorithms and Computation, Machine Learning

University of Illinois at Urbana Champaign, Champaign, IL **08/2018**
Master of Business Administration (GPA: 3.59/4.00)

Marmara University, Faculty of Engineering, Istanbul, Turkey **02/2011**
Marmara Bachelor of Science in Industrial Engineering (GPA: 77.2/100)

PROFESSIONAL EXPERIENCE

Data Analyst, Lodestone, Menlo Park, CA **01/2020 – Present**

- Led the analyses of Arabic hashtags data for Facebook search team and presented findings that resulted in successful launch of Arabic Hashtags Deep Dive project that improved hashtag utilization rate by 10%.
- Successfully created Python/SQL data pipelines to scale accurate performance metrics.
- Completed model analysis for NLP projects for identifying issues and scaling re-mediations in Turkish and Arabic AI models.

Lead Search Ranking Analyst, Aditi Consulting, Menlo Park, CA **10/2018 – 01/2020**

- Sourced information from MySQL/Presto/Hive databases to execute analysis using complex SQL queries.
- Collaborated with cross-functional employees to resolve emergent issues, escalations, and problems related to data science.
- Engineered Tableau dashboards to track performance related to key metrics.

SELECTED PROJECTS

Battleship: Implemented the classical Battleship game in one-player vs computer setup using object-oriented concepts.
Technologies: Java, JUnit

Philadelphia Parking and Housing Data Analysis: Designed and implemented n-tier architecture to parse and analyze parking violation and housing data from OpenDataPhily.
Technologies: Java, Junit

Food Classifier: Implemented a Support Vector Machine binary classifier to predict images of hot dog using a dataset of hot dog and other food images.
Technologies: Jupyter Notebooks, Pandas, Scikit-learn

Additional professional experience includes Program Officer at Asian Development Bank (2015-2017), Consultant for the World Bank Group (2015) and Chemonics International (2012-2015).