RICHARD RYU

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MOTIF

Former product manager practicing Data Science and solving problems. I'm currently looking to be part of a development team that focuses on data science problems. Aside from technical execution, I can help with the development of your team by promoting the best feasible agile practices from my product management experiences. For more information, please visit https://iatechicken.github.io/ucbmids/

DATA SCIENCE PROJECTS & COMPETITIONS

AccessiPark Denver | github | presentation
- Detect parking obstacles from google street view images and then plot it on a map using YOLOv5, GoogleMaps, and Feature Engineering

Facial Keypoint Detection Challenge | github | presentation | Kaggle
- Accurately predict 15 facial keypoints from a random image of a person's face using Keras, CNN, scikit-learn, CUDA

Deep Fake Detection Challenge | github | presentation | Kaggle
- Detect whether a video has been manipulated by Deepfake techniques or not using MTCNN, PyTorch, CUDA, mixnet_m, IBM Cloud

Airlines Delay Prediction | notebook | presentation
- Predict flight delays from weather data and flight data using linear regression, gradient boosted decision tree, pyspark ML, and databricks

PROFESSIONAL

Analytic Partners | Marketing Mix Modeling Enterprise Platform — New York, NY
Product Manager — Jul 2018 – Mar 2019
- Championed user driven development of the Advanced Modeling Platform and released over 20 features to improve the modeling workflow
- Launched an enterprise web application that optimizes annual/quarterly marketing budget for a global fast food chain
- Migrated JIRA from server 7.6 to Cloud 8.0 with re-designed workflow for the JIRA Service Desk, Confluence, and JIRA Software
- Managed the adoption of Agile development for the engineering team by championing the Scrum Process and implementing regular sprints

Better Life – Rewards for Students | iOS mobile app for High School Drug Prevention/Wellness program — New York, NY
Product Manager — Aug 2016 – Jul 2018
- Implemented redemption metrics and business intelligence dashboards for the vendors to gain insights from the user's redemption behavior
- Drafted wireframes for the mobile app and built various redemption workflows to reward students who are participating in the program
- Shipped geo-fencing push notification feature and implemented http token management system to validate active users on a monthly basis
- For more information about the mobile app, please visit https://appadvice.com/app/better-life-student-rewards/1266407952

Cumberland Consulting Group, LLC | Healthcare IT Systems Consulting — New York, NY
Senior Consultant — Aug 2012 – Jul 2018

Life Sciences Services | Optimized business intelligence reports on a SaaS platform as a project manager/business analyst
- Learned how to read/write SQL on the job, used IBM Cognos, SiSense, and MS Power BI, optimized over ~400 BI reports

Provider Services | Consulted in Electronic Health Record implementation projects for two major academic medical centers
- Implement Epic, and Allscripts EMR while under the HIPAA compliance in both in-patient and out-patient settings

EDUCATION

UC Berkeley School of Information — Anticipated Graduation Date: December 2020
Master of Information and Data Science

University of Illinois at Urbana-Champaign — Graduation Date: August 2012
Master of Public Health / Bachelor of Science in Community Health — Graduate GPA: 3.75/4.00

SKILLS

- Technical: Python, Pandas, NumPy, Keras, PyTorch, TensorFlow, CUDA, scikit-learn, YOLOv5, CNN, RNN, Kafka, Spark, Flask, Hadoop, SQL, D3.js, Tableau, SiSense, Dockers, MQTT, Git, AWS ec2, AWS s3, IBM Cloud, GCP, databricks, JIRA
- Languages: Korean (Fluent), Spanish (Intermediate)