RICHARD RYU

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SUMMARY

Product manager who understands data science. Interested in helping engineers and data scientists promote data informed processes and providing structure to their CI/CD workflow. Have designed JIRA cloud for over 200 live users. Skilled at simplifying complex technical issues. Looking forward to empowering a team that builds world class big data processing and big data curation solution.

DATA SCIENCE PROJECTS & COMPETITIONS

AccessiPark Denver | github | presentation
- Detect parking obstacles from Google Street View images and then plot them on a map using YOLOv5, and Feature Engineering
- Selected for 2020 Summer Capstone Project Showcase. Candidate for Hal R. Varian MIDS Capstone Award

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, and CUDA

Deep Fake Detection Challenge | github | presentation | Kaggle
- Detect if a video has been manipulated by Deepfake techniques using MTCNN, PyTorch, CUDA, MixNet-M, and 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

EXPERIENCE

Analytic Partners | Marketing Mix Modeling Enterprise Platform   New York, NY
Product Manager   Jul 2018 – Mar 2019
- Adopted 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
- Implemented Epic, and Allscripts EMR while under the HIPAA compliance in both in-patient and out-patient settings

EDUCATION

UC Berkeley School of Information   Graduation Date: August 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

SKILLS

- Technical: Python, Pandas, NumPy, Keras, PyTorch, TensorFlow, CUDA, scikit-learn, YOLO, CNN, RNN, Kafka, Spark, Flask, Hadoop, SQL, D3.js, Tableau, SiSense, Docker Containers, MQTT, Git, AWS EC2, AWS S3, IBM Cloud, GCP, Databricks, JIRA
- Languages: Korean (Fluent), Spanish (Intermediate)