

# RICHARD RYU

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## SUMMARY

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Recent data science graduate student looking for opportunities to practice product management with data science. Passionate in helping others make better data informed decisions. Have designed, trained, and managed JIRA cloud for over 200 live users. Skilled at simplifying complex technical issues. Looking forward to empowering a team that works on data products.

## EXPERIENCE

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**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

## DATA SCIENCE PROJECTS & COMPETITIONS

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**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

## EDUCATION

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**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

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- 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)