

Curriculum Vitae

Ryu Izawa

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EXPERIENCE

Paperless, Inc.

Jan 2018 – Jun 2020

Data Analyst, Data Team

Working with the Data Team at Paperless Post, Ryu focused on analyses of product performance and user behavior. He was responsible for modeling products, projecting performance, graphing user networks, conducting A/B testing and developing event and media classifiers. He provided guidance to the Marketing and Product teams regarding the conditions of user network growth. For understanding site traffic, he provided analytic tools to visualize traffic flows. Ryu created user models for use in Monte Carlo simulations of site traffic. Changes to the site could then be tested prior to deployment. He designed the data schema for the Marketing team and worked with Data Engineers to implement the pipelines. He had extensively tested machine learning tools for classifying customer usage of our products.

BlueMountain Capital Management, LLC

Nov 2013 – Sep 2017

Treasury Group, Portfolio Finance

Ryu worked with BlueMountain Capital Management, LLC creating analytic tools and data pipelines for the Treasury Group. As a member of the Treasury Group, his primary responsibility was the analysis of funding, collateral and financing costs and the optimal allocation of capital. By improving their data management, the Treasury Group was able to pursue more sophisticated analyses to these ends. Ultimately, Ryu began an investigation into the use of neural nets in optimizing capital allocation.

Deutsche Bank Securities, Inc.

Jun 2009 – Nov 2013

Interest Rate Derivatives, Global Business Services

Ryu worked with the Interest Rate Derivatives Middle Office team, where he analyzed and reported profit and loss, positions, risk, attribution, cash flows and market data. He was solely responsible for modernizing the data pipelines and procedures.

Credit Suisse (USA) Inc.

Jan 2006 – Jun 2009

Derivatives Support and Control, Documentation

Ryu led the Equity Derivative Documentation team, covering the Corporate Financing, Monetization and Private Client businesses. He represented the team in work with the Legal and IT departments. He wrote the library of documentation drafting tools for the Americas, prior to which trade documents were unstandardized and drafted manually. While working with the Private Client business, he applied the unique prime factorization theorem to develop a legal agreement engine. This cut the documentation time for Private Client transactions from two days to two hours.

EDUCATION

University of Colorado

Graduated 2004

Mathematics B.A.

Ryu received his B.A. in mathematics. His coursework covered Probability, Combinatorics, Coding and Cryptography, Set Theory, Numerical Analysis and Differential Equations, along with several computer science courses. In addition to this curriculum, he collaborated with researchers in areas of interest, including discussions on Positional Astronomy with Fiona Vincent, University of St. Andrews, Scotland and an interactive H5N1 mapping project with Dr. Andrew Hill.