

# Résumé

## Ryu Izawa

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### TECHNICAL EXPERIENCE AND ABILITIES:

- Python, SQL, R, GCP, AWS, Looker, DBT, Scikit-learn, Neo4j, Carto, C++/C#, VBA, et al.
- Fluency in English, strong command of Spanish and Japanese

### EXPERIENCE:

#### Paperless Inc.

Jan 2018 – Jun 2020

E-Commerce Invitations Service, \$55 million raised

*Data Analyst*

- Analysis of site traffic, financial metrics, performance statistics and forecasting using regression analysis
- Data modeling, business intelligence, dashboards and visualization for Accounting and Finance teams
- Conduct Bayesian A/B testing and statistical analysis for Product Managers, Design and Marketing
- Requirement discovery, design, and implementation of scaling ETL projects for Marketing team
- Marketing attribution models through a combination of streaming and warehouse data
- Network graph analysis of registered accounts, focusing on audience growth conditions
- Apply machine learning toward understanding customer needs and demand forecasting

#### BlueMountain Capital Management, LLC

Nov 2013 – Sep 2017

Diversified Alternative Asset Manager, \$22 billion AUM

*Treasury Group, Portfolio Finance, Analyst*

- Analyzed the determining factors of funding, collateral, and financing costs for our multiple funds
- Managed data ETL and relational databases for the Treasury Group using C#, Python, SQL and R
- Financial models to estimate revenue generated by our dealers for pricing negotiations
- Researched the application of machine learning to capital allocation, using Python and TensorFlow

#### Deutsche Bank Securities, Inc.

Jun 2009 – Nov 2013

*Interest Rate Derivatives, Global Business Services, Associate*

- Analysis and reporting of KPIs; profit & loss, positions, risk, attribution, cash flows, accounting, and pricing
- Liaison for the Global Business Services collaboration with the Federal Reserve regulatory team

#### Credit Suisse (USA) Inc.

Jan 2006 – Jun 2009

*Derivatives Support and Control, Equity Derivative Documentation, Senior Analyst*

- Led the Equity Derivative Documentation team, covering Corporate Financing, Monetization and Private Clients
- Designed and built the firm's only automated prime-number document generation system

#### Mercer Human Resource Consulting

Jun 2005 – Aug 2005

*Health Benefits, Intern*

- Analysis of proposals for Health and Benefits plans for corporate Clients
- Coordinated insurer proposals and analyzed competing bids for Client excess-loss insurance

### EDUCATION:

#### University of Colorado, Boulder

Graduated 2004

B.A. Mathematics

- Courses in Numerical Analysis, Probability, Combinatorics, Differential Equations, Set Theory, Coding and Cryptography
- Extracurricular collaboration with H5N1 interactive mapping project with Dr. A. Hill

### ACTIVITIES AND INTERESTS

- Pilot since age 17. Flights throughout the US, Canada, and Argentina
- Celestial navigation, gardening, swimming