John P. Ryan

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EDUCATION

Iowa State University, Ames, IA – Ivy College of Business   **January 2018 – May 2020**
- Bachelor of Science in Finance

SKILLS

Financial Modeling
- Thorough knowledge of Three statement financial models, Public & M&A comparables, WACC analysis, DCF analysis, "Football Field" analysis, and LBO modeling.
- CECL, Scorecard Modeling, Federal Reserve Stress Testing, and Monte Carlo Simulation.

Machine Learning & Generative Artificial Intelligence
- Experience building Neural Networks, K - Nearest Neighbors, Principle Component Analysis, Logistic Regression, LGBM boosted decision trees, and K-Means.

Programming
- Experienced with Python (Numpy, Pandas, Scikit Learn, Keras, Matplotlib, others), Matlab, R, SQL, HTML, CSS, and C.

Microsoft Products
- Skilled in Excel, PowerBI, Word, PowerPoint, Visio, SQL Server Studio, and other office tools.

WORK EXPERIENCE

NTT DATA – Senior Consultant, Chicago, IL   **March 2022 – Present**
- **Internal -** Led offering development for third party AI partnerships with innovative start ups, creating enterprise-ready products for large, highly regulated organizations. Taught seminars on AI to hundreds of colleagues to ensure non-technical SME's could identify opportunities in AI.
- **Top 6 U.S. Bank -** Managed a large scale transformation project overseeing a team of 30 employees to implement new payment systems, allowing for synergies to be realized following a recent merger.
- **Large Global Technology Firm -** Led database architecture and automation for a medical database containing millions of medical images for use in AI algorithms. We successfully increased gross margins by approximately 12.5% through automation of work performed on a per-sale basis, functioning as COGS.

Crowe – Credit Solutions Consultant, Chicago, IL   **August 2020 – February 2022**
- **Top Global Social Media Firm -** Developed a machine learning algorithm to detect money laundering for high risk activities. Uncovered a sophisticated state-sponsored cyber attack used to "print" money, leading to the mitigation of substantial risk.
- **Mid-sized U.S. Bank -** Utilized banking industry data and macro-economic variables to create DFAST stress testing models for presentation to the Federal Reserve. These models were used to mitigate countless pandemic related risks within the bank's loan portfolio and deposit base.
- **Mid-sized U.S. Bank -** Supported multiple regression efforts to create stress testing models in R.

Volunteer Work

The Ventilator Project – Pro Bono Consultant   **March 2020 – May 2020**
- Responsible for development of the organization's business plan, which promoted its growth from a team of 30 engineers to a team of over 250 professionals and was successfully sold.
- Built pro-forma models with scenario analysis in order to understand the organization's cash burn timeline and DCF valuation.

Honors & Awards

NTT DATA Risk & Compliance Spotlight   **December 2022**
- Highlighted for outstanding individual achievement in a quarterly newsletter from the Risk and Compliance practice within NTT Data Services.

Ecolab Case Competition 1st Place Finisher   **December 2019**
- Won the award for best overall performance and pro forma model in our corporate finance case competition. Participants were tasked with evaluating qualitative business cases for Ecolab and modeling quantitive pro forma results to make recommendations to the board.
- This Case was judged by a member of Ecolab's corporate finance team and the model came within 1 cent of their team's calculated EPS result.

Interests

Hoka Half Marathon Finisher | Space | Chicago Sports | Technology | Golf