

HARRY EMERIC

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EDUCATION

- Stanford University** Stanford, CA
MS, Statistics (Data Science track) Sep 2018 – Jun 2020 (expected)
- Relevant Coursework: Statistical Inference, Modelling and Learning; Machine Learning, Deep Learning, Computer Vision, Software Engineering, Algorithms, Optimization
- University of Warwick** Warwickshire, UK
BSc, Mathematics and Economics Sep 2005 – May 2008
- First class honours, winner of examiners' prize for best overall grade out of ~200 people

EMPLOYMENT

- Stanford University** Stanford, CA
Course Assistant; ME300A: Linear Algebra w/ Application to Engineering Sep 2019 – Present
- Instructing core Linear Algebra class, running workshops and discussion sections
- Adobe** San Jose, CA
Data Scientist Intern; Data Science New Products (DSNP) Jun 2019 – Sep 2019
- Used unsupervised learning to segment Photoshop users by intent and identify difficult to use features. Identified 2 features and 2 tutorial pages with poor success rates to communicate with the product team as pain points
 - Worked with pyspark.sql, pyspark.ml and scikit-learn to create a preprocessing pipeline and train clustering models, and used plotly to produce custom visualizations
- Bank of America Merrill Lynch** New York, NY; London, UK
Vice President; ETF Trader, Global Equities Jun 2008 – Mar 2017
- Built pricing, trading and risk management tools and techniques across various financial instruments; responsible for books totaling \$10m+ of revenue
 - New products lead; studied detailed product attributes to exploit mispricings and create profitable opportunities
 - Consistently developed connectivity across time zones and asset classes; negotiated multiple stakeholders to create a process to trade bonds; became the first person in the company to trade bonds on the equities floor
 - Co-managed first ever 24hr ETF trading book, strong focus on communicating risk and strategy across regions, and on operational controls

CERTIFICATIONS AND PROJECTS

- Deep Learning class project used CNNs to automatically detect brain aneurysms from CTA scans, in collaboration with the Stanford Medical School
- Computer Vision project created custom architecture for object detection with half the parameters and similar loss metrics to SSD
- Active Kaggle, one Notebook "Feature Engineering on the Titanic" has ~5,000 views

SKILLS AND TECHNOLOGIES

- Programming:* Python, R, SQL, C++; pytorch, pyspark
- Languages:* Spanish, Portuguese (conversational)

PERSONAL INTERESTS

- World traveler: visited 50+ countries; started off learning R in a co-working space in Bali
- Sport: winner of charity white collar boxing match, currently training for first marathon