Julian Stephan Rippert

+1-561-719-9951
jrippert@berkeley.edu

[LinkedIn](#) | [GitHub](#)

—

Professional Experience

Deloitte (Analytics & Technology Group) - Senior Consultant
June 2021 - PRESENT, Los Angeles, CA

- Executed analytics on client's Advertiser Brand Safety products to ensure ad deliveries occur next to appropriate content, resulting in Media Rating Council (MRC) accreditation for the company's feed environment.
- Strengthened client's data privacy policy onboarding process to reduce regulatory (and 3rd party) violations, by ensuring code locks were appropriately blocking Ads Signals from being used downstream prior to user consent. Ensured continuous testing of data leakage was functioning.
- Collaborated with a global technology company to help implement new signals for ML models to identify entities in violation of company policies within messaging threads. Implementation of new features resulted in additional policy enforcement of 3-4k entities daily.

Deloitte (Risk & Financial Advisory Group) - Consultant
July 2019 - June 2021, San Francisco, CA

- Developed a new operational strategy for the Wealth Management division of a bank to handle and authenticate wire transfer requests due to a recent $8m wire fraud incident.
- Consulted with leadership of an InsureTech client for an IPO-Readiness assessment, to define operational & IT governance before IPO filing. The client filed in mid-2021.

Cisco - Technical Solutions Intern
June 2018 - August 2018, Amsterdam (Netherlands)

- Pitched a corporate strategy to shift Cisco's products to a recurring revenue model to stabilize the firm's cash flow and earned 1st prize as part of the final intern competition.
- Optimized key EU client strategies by leading weekly syncs with clients and account stakeholders to discuss new technical implementation ideas.

Eberhardt Student Investment Fund - Junior Analyst
Jan 2018 - May 2018, Stockton, CA

- Implemented a long/short strategy across various equity sectors in alignment with the fund's tactical asset allocation which led to a 27% return.

—

Education

University of California, Berkeley - Master of Information and Data Science
May 2022 - May 2024, Berkeley,CA

- Relevant Courses: Natural Language Processing; Applied Machine Learning; Statistics; Machine Learning at Scale

University of the Pacific - Bachelor of Finance & Information Systems
August 2015 - May 2019, Stockton, CA

- Activities: NCAA D1 Golf, Pacific Legals Scholars, Freshman Honors Program, Student-Athlete Council

Julian Stephan Rippert

+1-561-719-9951
jrippert@berkeley.edu

[LinkedIn](#) | [GitHub](#)

—

Technical Projects

AMEX Credit Default Prediction
- Developed a Random Forest Classifier and a Feedforward Neural Network to predict cardholder default based on monthly bank statement data (time-series). Utilized hyper-parameter tuning and cross-validation techniques which resulted in ~90% default classification accuracy.

New York Apartment Prices – Regression Model
- Constructed a regression model to predict apartment prices while incorporating EDA, feature engineering and data visualizations. Performance of model on test data set resulted in R2 score of 0.77.

Food Delivery Route Optimization – Graph Database
- Built a Neo4j graph database from a graph stored in 3NF. Calculated geodesic distance and areas, and mapped population data by zip code to those areas. Utilized all pairs shortest path algorithm and page rank algorithm to optimize delivery routes and plan distribution centers.

—

Research Experience

Search Query Suggestions - JSTOR (ITHAKA)
May 2023 - Present
- Currently testing various approaches including ensemble models to improve JSTOR's search query suggestions.

Neural Machine Translation Metrics - Berkeley's School of Information
May 2023 - Aug 2023
- "Neural Metrics for Machine Translation Suck - But So Does Everything Else". Proposed a neural metric approach which is trained on specific features professional translators use to judge the quality of machine translations. See GitHub for code and paper.

—

Misc.

- Helped develop and deliver training providing a comprehensive overview of AI/ML concepts and AI governance best practices to Meta's Family-of-Apps Team.
- Mentor to a first-generation undergraduate freshman as a part of the Earl Woods Scholar Program (A Tiger Woods Charity). Helped mentee stay on track with scholar program requirements, academic planning and career goals.

—

Skills

- Python (NumPy, Pandas, Matplotlib, Seaborn), SQL, R, NoSQL, C++
- ML (Tensorflow, Keras, SKlearn)
- Git/GitHub, Jupyter, VScode, RStudio, AWS, LINUX CLI, Neo4j