Adam Faskowitz

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Education

University of California, Berkeley

Bachelor of Arts in Data Science, May 2020

Relevant Coursework: Machine Learning, Computer Security, Data Ethics, Probability, Linear Algebra, Data Structures, Programming

Professional Experience

TIBCO Software

Lead Data Scientist   **January 2023 - Current**
- Spearheading LLM integration for Spotfire (BI visual analytics software), capable of translating text to visualization and other actions; writing both backend/frontend code, prompt engineering, and formulating its architecture
- Leading an effort to augment time series capabilities, including anomaly detection, across multiple products
- Conducting in-depth financial operations analysis for the CEO, pinpointing cost optimization opportunities
- Utilizing NLP to summarize data collected from diverse sources, improving customer's understanding of industry trends

Senior Data Scientist   **April 2021 - December 2022**
- Designed and implemented end-to-end solutions for pattern classification in semiconductor manufacturing, leading to a savings of thousands of work hours annually for clients
- Expanded Spotfire's functionality by developing machine learning functions, including random forest, SVM, and PCA
- Delivered presentations at industry conferences and hosted webinars on latest data science practices
- Received team and awards for performance, including one of two awards given across ~5,000 employees for company-wide impact

Data Scientist   **July 2020 - March 2021**
- Integrated AWS's AutoML tool, AutoPilot, with Spotfire, enabling automated data analysis for clients
- Created custom, interactive dashboards for a non-profit client, unlocking insights and facilitating data-driven decisions
- Managed TIBCO's COVID-19 Live Report, connecting various sources of COVID data in an interactive application to help users understand the evolving nature of the pandemic
- Worked directly under the Chief Analytics Officer on high-priority sales projects, regularly presenting to and interacting with customers

Data Science Intern   **June 2019 - August 2019**
- Developed processes for spatial pattern recognition and anomaly detection on semiconductor wafers
- Conducted comprehensive industry survey of deep neural networks and machine learning algorithms
- Authored a technical blog post explaining the use of symbolic aggregate approximation (SAX) for identifying unique baseball seasons, published on KDnuggets

HazardHub

Machine Learning Intern   **May 2018 - August 2018**
- Trained an object detection algorithm to detect fire hydrants for insurance applications
- Fine-tuned deep learning models using Keras and TensorFlow to improve F1 score of classifier by over 0.1
- Advised C-suite on data strategy and implementation, helping to shape the company's data-driven approach
- Developed an interactive program for easy configuration and data input, improving user experience

Cal Baseball

Lead of Analytics Project   **September 2018 - December 2018**
- Wrote a tool to find the optimal batting order for the Cal Baseball team, utilizing data scraping and collection
- Consulted with coaches and athletic personnel, utilizing excellent communication skills to align on project vision and deliverables

Technologies

Languages: Python (pandas, numpy, scikit-learn, matplotlib, TensorFlow), SQL, Java, R, PySpark, Javascript
Other: Data Visualization (Spotfire, Tableau), LLMs, Web Scraping, Cloud Platforms (AWS, Azure), HTML, CSS, Github