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

Spotfire (formerly TIBCO)

Lead Data Scientist — **January 2023 - Current**
- Lead development of Spotfire Copilot, an LLM for translating text to visualizations and other actions in Spotfire, with contributions to backend/frontend coding, project management, prompt engineering, and RAG architecture formulation
- Launch LLMOps using LangSmith, establishing a customer-focused feedback loop that improved accuracy by 30%
- Own cross-team initiative to augment time series capabilities (anomaly detection, forecasting, etc.) in our product
- Build solutions for key customers to improve production quality, minimize downtime, and boost operational efficiency
- Won internal hackathon by developing a trained LLM for product feature development, vastly reducing development time

Senior Data Scientist — **April 2021 - December 2022**
- Designed and implemented end-to-end tool for pattern classification that enhances yield in semiconductor manufacturing, delivering cost savings of millions of dollars annually for customers
- Expanded Spotfire's functionality by developing machine learning functions, including random forest, SVM, and PCA algorithms, to improve predictive analytics and classification tasks for customers
- Delivered presentations at industry conferences and hosted webinars that positioned Spotfire as a leader in data science
- Received top awards, including one of only 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

Analytics Lead — **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, C#
Other: Data Visualization (Spotfire, Tableau), LLMs, GenAI, Web Scraping, HTML, CSS, Github, Cloud Platforms