Adam Faskowitz

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Education

University of California, Berkeley: Bachelor of Arts in Data Science, May 2020 **GPA:** 3.54

Technical Coursework: Data, Inference, and Decisions (Machine Learning), Computer Security, Data Ethics, Probability for Data Science, Principles and Techniques of Data Science, Data Mining, Applied Data Science, Intro to Data Visualization, Linear Algebra, Data Structures, Programming, Foundations of Data Science

Professional Experience

TIBCO Software

Lead Data Scientist **January 2023 - Current**

Senior Data Scientist **April 2021 - December 2022**

- Design and create automated end-to-end solution for pattern classification in semiconductor manufacturing that saves clients thousands of hours per year
- Create template ML & data science functions (random forest, SVM, PCA) available for Spotfire
- Leader of initiative to enhance time series capabilities (e.g. anomaly detection) across products
- Present at conferences and lead webinars discussing approaches to data science use cases
- Receive team and company-level awards for performance, including one of two honored across ~5,000 employees for company-wide impact

Data Scientist **July 2020 - March 2021**

- Built out integration of AWS's AutoML tool, AutoPilot, with TIBCO's analytics software, Spotfire
- Helped client non-profit unlock data insights by creating custom, interactive reporting dashboards
- Managed TIBCO's COVID-19 Live Report, connecting various sources of coronavirus data together 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 where I present to and commonly interact with customers

Data Science Intern **June 2019 - August 2019**

- Developed processes for spatial pattern recognition and anomaly detection on semiconductor wafers
- Surveyed deep neural networks and other machine learning algorithms across industry use cases
- Wrote a technical blog post explaining the use of symbolic aggregate approximation (SAX) to find unique baseball seasons, published to KDnuggets

HazardHub

Machine Learning Intern **May 2018 - August 2018**

- Trained an object detection algorithm to detect fire hydrants for insurance application
- Fine-tuned deep learning neural networks with Keras and TensorFlow models
- Familiarized myself with cloud platforms (AWS, Azure, Google) and other open-source APIs
- Communicated and consulted with chief officers on strategy and how to consume the data
- Implemented an interactive program that allowed users to easily input new configurations and data

Cal Baseball

Lead of Analytics Project **September 2018 - December 2018**

- Developed a tool to find the optimal batting order for the Cal Baseball team to maximize runs
- Created the infrastructure for an analytics system through data scraping and collection
- Consulted with coaches and other athletics personnel on the vision of the project

Technologies

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