JOSHUA KONOFF

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GitHub Projects, Creator and Collaborator: Real World Python Entrepreneur and Director: Boston Volunteers

PROFESSIONAL EXPERIENCE

Data Scientist | Business Owner   **10/20 - Present**

Sartorius Segmentation Made Simple
Technologies: Machine Learning, Numpy, Artificial Intelligence, Data Modeling, Bioinformatics, Biomedical and Software Engineering for healthcare, Bioinformatic Tools, Cloud Computing

- Pretrained computer vision machine learning computational biology model using transfer learning.
- Programmed and developed large-scale machine learning engineer and AI models using innovative applications to support, monitor and improve model performance and patient care.
- Trained a classification head on top of an unsupervised machine learning model to improve reliability.

Analyzing Walmart Inventory
Technologies: Tensorflow, Keras, Machine Learning, Numpy, Pandas, Business Intelligence, AI

- Optimized Walmart Inventory to achieve 97-99% accuracy with feature analysis. Instantiated, trained, and presented data scientist models with Matplot, Pandas, and BI tools.
- Analyzed trends and datasets using feature engineering to identify product purchase patterns. Researched and communicated statistics and other mathematical models to demonstrate the key economic benefits.
- Predicted purchasing events with 91-97% accuracy and 43-77% recall. Nudged models can then be designed for product promotion.

Coding Temple   **01/21 - 02/22**
Technologies: Deep Learning, Machine Learning Techniques, Artificial Intelligence, Data Mining, Big Data, Tableau

- Leveraged extensive experience in sourcing, processing, managing, and distributing business-driven and actionable visual reports for key stakeholders.
- Trained team on Tableau 10 including creating, gathering and analyzing data.

Boston Volunteers | Entrepreneur, Director   **12/08 - Present**

- Partnered with 46 Boston area businesses and nonprofits. Collaborate with cross functional teams. Achieved 501c3 status. Wrote grants. Built relationships with the local mayors and businesses.
- Created unique 1,200 person events in collaboration with local cities. People-centric events included culture events, families and their dogs. Fundraised over $20,000 dollars for the Somerville animal rescue league.
- Led and co-led 2,800+ Boston Volunteer events fighting for a cleaning, safer and better Boston.
- Created and collaborated with the Board of Directors to make a real impact on 16,800+ local residents.

Citizens Financial | Licensed Banker   **02/17 - 03/19**

- Coordinated with a group of financial advisors to assist clients with comprehensive financial needs.

Cohen Investment Advisors | Investment Advisor   **11/13 - 02/17**

- Advised clients on student loans, insurance, income tax planning, investment management and retirement.
- Designed SQL scripts to help the firm analyze processes and improve product capabilities.

EDUCATION

Google | Computer Science Certification in Data Analysis
University of Rhode Island | B.A. in Biology

TECHNICAL SKILLS

Statistics, Supervised and Unsupervised, Bayesian Mathematics, Advanced Excel, Engineering, Computational Neuroscience, Medical and Scientific Pathology Techniques, Biotech, Programming, Software Engineering, Classification, Regression, Hadoop, Data Mining, Machine Learning, AI, Computer Science, Bioinformatic, Machine Learning Engineer, Data Scientist, Data Analyst, Mathematics Algorithms, Natural Language Processing, Innovative, Analytical, Collaborating, Tableau, Data Science, Neural Networks, Deep Learning, SQL, MongoDB, Spark, Computational Science, Designing Decision Tree Frameworks, Computational Biology, Time Series, Dimensionality Reduction, Docker, Git, Salesforce, Visual Studio, SAS, Anaconda, Data Structures , Big Data, Data Exploration, Pytorch