

Bob Flagg

DATA SCIENTIST AND MATHEMATICIAN

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Profile

Data scientist with a strong mathematics background and extensive experience in machine learning, natural language processing and deep learning. Passionate about building AIs exploiting the latest advances in the field and following best practices in software engineering and agile development.

Skills

Machine Learning, Natural Language Processing, Deep Learning, Software Engineering

Technical

Python, R, Java, Cython, Bash, NumPy, Pandas, Scikit-Learn, Keras/Theano/TensorFlow, Matplotlib, NLTK, SpaCy, Gensim, SQL/MySQL, NoSQL/MongoDB, Spark

Recent Work Experience

Data Science Architect 2013–Present
Finch Computing <http://www.finchcomputing.com/>
Developed natural language processing models and algorithms to support named entity extraction, document clustering and classification, automated knowledge base population and entity linking.

Data Scientist 2012–2013
Truonex <http://www.truonex.com/>
Developed natural language processing models and algorithms to support project clustering, search and recommendation.

Natural Language Processing Consultant 2011–2012
Newstex newstex.com
Developed named entity recognition, key phrase extraction, and text classification tools for news articles.

Software Architect 2008–2011
Prefab Software, Inc. Chelmsford, MA
Developed machine learning applications in Python and R to support **Blogcosm**, a reference site about blogging and the blogosphere.

Education

Ph.D. in Mathematics, SUNY at Buffalo, Buffalo, NY
Certificate in Quantitative Finance, 7city Learning
Certificates in Spark, AI, ML, NLP, Data Science, and SNA, Coursera, EdX, Udacity

Patents

Method for disambiguated features in unstructured text, United States 9,239,875
Event detection through text analysis using trained event template models, United States 9,177,254
Method of automated discovery of new topics, United States 9,177,262