Przemyslaw Zientala

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
MS in Analytics/Data Science (Computational Data Analytics track)   August 2021 – December 2022

University of Southampton   Southampton, United Kingdom
BSc Geography, 3.89/4.0 (equivalent); Dean's List (3/3 years)   September 2014 – June 2017
BSc thesis: "Water point mapping in Tanzania using a machine learning approach" - used classifiers such as Random Forests and Support Vector Machines to predict locations of unmapped water sources based on geological predictors

SKILLS

- <u>Languages, tools</u>: Python (matplotlib, plotly, pandas, numpy, scikit-learn), R, SQL, Bash/zsh shell, Git, Java/Kotlin, Docker, AWS/Azure/GCP, Datadog
- <u>Techniques</u>: data visualization, web scraping, regression, variable/model selection, supervised/unsupervised learning, natural language processing (named entity recognition, sentiment analysis), deep learning (TensorFlow, Keras, PyTorch)

EXPERIENCE

Datadog   Paris, France
Senior Solutions Engineer (providing observability, analytics and insight into companies'   May 2019 – July 2021
infrastructure environment in the cloud age to solve problems for Dev and Ops teams)
- Built and productionized part of the Root Cause Analysis product while working with the Data Science team
- Helped with troubleshooting during proof-of-concept studies and tailored product demos, closing 15+ $5,000 - $100,000 ARR deals
- Top-10% performance based on customer satisfaction. Drove 15+ C/VP-level troubleshooting cases to swift resolution, including last-minute escalation calls
- Mentored new engineers, contributing to their career growth and promotions, and led 30+ troubleshooting calls

Perfect Dashboard   Warsaw, Poland
Machine Learning Consultant (automating WordPress site maintenance)   February 2019 – April 2019
- Improved performance of a model for classifying WordPress websites condition after plugin updates (working/broken) by 10%, contributing to passing technical due diligence for a successful acquisition
- Coordinated data annotation process, improving the labeling accuracy of a 10-person team by 10%

Researchably   Southampton, United Kingdom / Berkeley, CA
Co-founder (automating biomedical literature review via Natural Language Processing)   January 2017 – January 2019
- Participated in SkyDeck, UC Berkeley's startup incubator, with $100,000 funding (< 5% acceptance rate)
- Built a machine learning platform used by Sanofi ($20,000 deal) for information extraction from research papers
- Deployed and optimized an active learning support vector machine model by using a secondary model for hyperparameter tuning, improving the accuracy by 50%. This was used for optimizing search engine results.
- Co-authored biomedical data annotation guidelines, increasing annotation quality by 20%

IT Innovation Centre   Southampton, United Kingdom
Data Mining Intern   June 2016 – September 2016
- Created a Java application for verifying the truthfulness of social media posts via association rule mining and clustering on Twitter, Facebook, and YouTube data

PROJECTS

- **NCR (Business Analytics Practicum; in progress)** – Using Natural Language Processing, improving quality of service by clustering support ticket conversations, identifying root causes of incidents, and carrying out incident trend analyses
- **Cox Communications (MSA Project Week; 1st place among 17 teams)** – Using graph analysis and wavelet decomposition, compressed signal data by 75% with <1% error rate, automatically recognized wave, ingress, and tilt impairments, and found responsible root cause nodes using a recursive Least Common Ancestor algorithm