

# 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

- Languages, tools: Python (matplotlib, plotly, pandas, numpy, scikit-learn), R, SQL, Bash/zsh shell, Git, Java/Kotlin, Docker, AWS/Azure/GCP, Datadog
- Techniques: 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' infrastructure environment in the cloud age to solve problems for Dev and Ops teams)

May 2019 – July 2021

- 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, find ways to advance and improve quality of service using customer data, account trouble tickets, and service records
- **Cox Communications (MSA Project Week; 1<sup>st</sup> 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