

# Przemyslaw Zientala

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## EDUCATION

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### UC Berkeley, UCLA, UIUC

Remote

Proctored online courses

July 2019 – November 2019

Calculus 2 (4.0/4.0), Java Programming II (4.0/4.0), Applied Linear Algebra (4.0/4.0)

### University of Southampton

Southampton, United Kingdom

BSc Geography, 3.89/4.0 (equivalent)

September 2014 – June 2017

Bsc thesis: “Water point mapping in Tanzania using a machine learning approach”

- Top 20 1<sup>st</sup> year student, Dean's List award for Outstanding Achievement (all 3 years)
- Math coursework: Statistical modelling I (4.0/4.0) Statistical Distribution Theory (4.0/4.0)

## INDUSTRY EXPERIENCE

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### Datadog

Paris, France

Senior Solutions Engineer

May 2019 – July 2021

- Implemented a part of the Root Cause Analysis product for identifying high TCP retransmission hosts
- Collaborated with engineers to provide tailored solutions to SMEs and large, enterprise customers
- Demoed the platform to hundreds of individual customers and at events such as Google Cloud Next UK

### Perfect Dashboard

Warsaw, Poland

Machine Learning Consultant

February 2019 – April 2019

- Improved performance of a deep learning model for classifying Wordpress websites condition (fine/broken) after plugin updates by 10%, directly contributing to passing technical due diligence for an acquisition deal
- Redesigned methodology for data labelling, resulting in 8% increased data consistency

### Researchably

Southampton, United Kingdom

Co-founder

January 2017 – January 2019

- Developed a machine learning platform for extraction and linking of information from biomedical research papers used by Sanofi (\$20,000 deal)
- Developed and optimized an active learning support vector machine model for search engine result refinement. This was achieved using a secondary, smaller model for dynamic tuning of the cost hyperparameter, improving the relevance of results by 50%
- Created biomedical data annotation guidelines, increasing annotators' efficiency and annotation quality by 20%
- Discovered and analyzed customer segments and their needs through 100+ qualitative interviews and quantitative surveys

### IT Innovation Centre

Data Mining Intern

- Analyzed social media data to discover business intelligence relevant to journalists in a busy newsroom – Social Media Verification project “REVEAL”
- Used R to analyze semi-structured textual data via clustering methods, association rule mining, and

- statistical approaches such as Kernel Density Estimation
- Developed a Java application for verifying the truthfulness of social media posts via association rule mining and clustering on Twitter, Facebook, and YouTube data
- Produced weekly, technical data analysis reports and presented on a weekly basis to the research group lead

## University of Southampton

Southampton, United Kingdom

*Undergraduate Research Assistant*

November 2015 – April 2016

- Processed and analyzed Crunchbase data using R and Python for a [research paper](#) on the economic growth of SMEs
- Scraped and formatted DNS lookup data using Python

## RESEARCH EXPERIENCE

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### Facebook

Menlo Park, CA

*Presenter, West Coast Natural Language Processing Conference*

September 2018

- Presented a data augmentation approach to AI researchers, securing a partnership with Intel AI Builders

### University of Manchester

Manchester, United Kingdom

*Presenter, 25<sup>th</sup> Geographic Information Science Research UK Conference*

April 2017

- BSc thesis peer-reviewed and published in conference proceedings
- Presented research findings to an international audience of computer science, machine learning, and GIS researchers

## LEADERSHIP EXPERIENCE

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### UC Berkeley

Berkeley, CA

*Project Lead (Data-X)*

September 2018 – December 2018

- Led a team of MBA & Statistics students to guide them through development, implementation, and presentation of a machine learning platform for streamlining the research of biomedical papers

### OpenAI

San Francisco, CA

*Workshop Leader*

December 2018

- Led a workshop discussing the latest developments in machine learning with limited data and its uses in real-world scenarios with participants ranging from academic researchers to startup founders

## AWARDS

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### University of Southampton

Southampton, United Kingdom

*UK SEED Startup Fund, Future Worlds startup accelerator*

March 2017 – May 2017

- Won the best pitch award among 10 teams, pitching to a 100+ participant audience, and securing £32500 in funding

### Polish 1<sup>st</sup> Tadeusz Kosciuszko Infantry Division High School no. 4

Piaseczno, Poland

- Received the Polish Prime Minister's Award in Education for Outstanding Achievements (awarded to the top-performing student from a given high school)