

Szczekulski Jan

Data Scientist/Software Engineer

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EXPERIENCE

THE HUT GROUP | DATA SCIENTIST EXPERIMENTATION

Sept 2020 – June 2021 | Manchester, UK

December 2021 – Present | Manchester, UK

- Improved & automated A/B testing tools surrounding internal A/B testing such as duration estimation or automated analyses tool. Improved internal backend used for managing experiments.
- I led the 'experimentable widgets' project, which enabled stakeholders to make changes to site widgets as A/B tests. To do this, I had to look into and make alterations to the larger internal architecture, which included 4 backends and 2 frontends
- I conducted multiple A/B/n tests, while providing deep data analysis. The experiment yielded a yearly cost savings of £1 million for the company.
- I served as the primary reviewer for the team and was accountable for a large majority of the team's development operations and pipelines.

THE HUT GROUP | GRADUATE DATA SCIENTIST LOGISTICS

June 2021 – December 2021 | Manchester, UK

- Helped develop a company-wide ML algorithm responsible for short-term demand forecasting.
- Created data pipelines from the beginning, including configuring a virtual machine, Jenkins, and scripts.

AMBROZIAK'S DERMATOLOGY CLINIC | RESEARCHER ASSISTANT

2021-present

- Analyzed data on long-term treatment of PWS-type birthmarks. Research revealed that if treatment is discontinued, the condition will worsen. Consequently, this led to introduction of a novel sustained treatment for PWS.
- Currently conducting research focused on predicting PWS-type birthmark treatment's efficacy. Applying AI imagining techniques such as GANs & CNNs.

UNIVERSITY OF LIVERPOOL | SUMMER RESEARCH ASSISTANT

June 2020 – Aug 2020 | Liverpool, UK

Aug 2022 – Present | Liverpool, UK

- Research on how Convolutional Neural Networks (CNNs) can be used to improve the geometric reconstruction of nanowires.

PROJECTS

IMPROVING DDPG | PYTHON, NUMPY, PYTORCH

2020

- Implemented & improved on reinforcement learning algorithm 'DDPG' using Stochastic Weighted Average & One-Cycle methods.

MONET ME THIS | PYTHON, NUMPY, PYTORCH

2020

- Implemented CycleGAN AI used to convert any photo to a Monet-sque painting.
- Created and deployed a 'guess if it's monet or AI' web game app which included frontend, backend & aforementioned AI.

SKILLS

PROGRAMMING

Proficient:

Python • SQL • Java

Experienced:

JavaScript • Shell

Familiar:

Prolog • L^AT_EX • C++

FRAMEWORKS

Pandas • PyTorch & Tensorflow
Matplotlib • SpringBoot • React

TOOLS

Git • Jenkins

Docker • Linux(CentOS)

EDUCATION

UNIVERSITY OF LIVERPOOL

BACHELOR'S IN COMPUTER SCIENCE
AND MATHEMATICS

2017 - 2020 | Liverpool, UK

First Class (Honours)

TADEUSZ CZACKI'S HIGH SCHOOL

EXTENDED MATHEMATICS, ENGLISH
AND PHYSICS

2014 - 2017 | Warsaw, Poland

A*AB accordingly

EXTRA-CURRICULAR

TABLE TENNIS CLUB

TEAM CAPTAIN

SOCIAL WELFARE OFFICER

2018 - 2019 | University of Liverpool, UK

LANGUAGES

POLISH

ENGLISH

HOBBIES

SPORTS

Basketball, Running & Martial arts

RELAXATION

Dancing, Books & Guitar