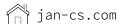
Szczekulski Jan

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 lead to introduction of a novel sustained treatment for PWS.
- → Currentely conducting research focused on predicting PWS-type birthmark treatment's efficacy. Applying Al 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

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

MONET ME THIS | PYTHON, NUMPY, PYTORCH

2020

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

SKILLS

PROGRAMMING

Proficient:

Python • SQL • Java

Experienced:

JavaScript • Shell

Familiar:

Prolog • LATEX • 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