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 lead the 'experimentable widgets' project, which enables stakeholders setting changes to site widgets as A/B tests. This required investigating and making changes to the bigger internal architecture, including 4 backends & 2 frontends.
➔ Carried out multiple A/B/n experiments, providing further analyses and statistcs. Said experiment saved company an estimated £1 milion/year.
➔ Main reviewer for the team. I was also responsible for majority of the Team's dev-ops and pipelines.

THE HUT GROUP | GRADUATE DATA SCIENTIST LOGISTICS
June 2021 – December 2021 | Manchester, UK

➔ Helped develop a company-wide Machine Learning algorithm responsible for short-term demand forecasting.
➔ Set up from scratch data pipelines which included VM, Jenkins & code setup.

AMBROZIAK'S BEAUTY CLINIC | RESEARCHER
2021-present

➔ Analyzed data on long-term treatment of PWS birthmarks. During ur research we discovered that PWS worsens over time once treatment has stopped, and lead to our suggestion of maintenance treatment.
➔ Currently researching the predicted treatment's efficacy using imagining techniques, including GANs & CNNs.

UNIVERSITY OF LIVERPOOL | SUMMER RESEARCH ASSISTANT
June 2020 – Aug 2020 | Liverpool, UK
Aug 2022 – Present | Liverpool, UK

➔ Research on applications of AI to improve efficiency of geometric reconstruction of nanowries.
➔ Expanded AI imaging knowledge with further knowledge on topics like data augmentation, U-nets & best AI-training techniquies

PROJECTS

IMPROVING DDPG | PYTHON, NUMPY, PYTORCH
2020

➔ Implemented & improved on reinforcement learning algorithm DDPG using PyTorch, based on the following paper.

MONET ME THIS | PYTHON, NUMPY, PYTORCH
2020

➔ Implemented CycleGAN AI used to convert any photo to a monetsque painting.
➔ Created and deployed a 'guess it 'web game app which included frontend, backend & beforementioned AI.

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