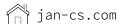
# Szczekulski Jan

# 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 ML algorithm responsible for short-term demand
- → Set up from scratch data pipelines which included setting up VM, Jenkins & code.

## AMBROZIAK'S BEAUTY CLINIC | RESEARCHER

2021-present

- → Analyzed data on long-term treatment of PWS-type birthmarks. During our research we've discovered that PWS worsens over time when treatment is stopped. Based on our research we suggested a novel maintenance treatment to counteract PWS worsening over time.
- → 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 applications of AI in improving nanowires geometric reconstruction.
- → Expanded Al imaging knowledge on topics like data augmentation, U-nets & best Al-training techniquies

# **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 AI used to convert any photo to a monete-sque painting.
- → Created and deployed a 'guess 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