

# Szczekulski Jan

Data Scientist

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## EXPERIENCE

### THE HUT GROUP | GRADUATE DATA SCIENTIST LOGISTICS

June 2021 – Current | Manchester, UK

- Developed a company-wide demand forecast using scikit-learn, SQL & Pandas.
- Set up multiple virtual machines used to run automated demand forecasts.
- Set up multiple automated pipelines via Jenkins & Python.
- Guided new starters & conducted/supported multiple interviews

### THE HUT GROUP | GRADUATE DATA SCIENTIST EXPERIMENTATION

Sept 2020 – June 2021 | Manchester, UK

- Conducted multiple A/B/n experiments, saving company an estimated £1 million/year.
- Used SQL, Python, Pandas and Matplotlib to analyse further multiple experiments. Drove valuable insights about tested features.
- Automated multiple systems using Jenkins and Python. Significantly decreased team's repetitive work.
- Implemented time-series model predicting app revenue using scikit-learn, numpy & SQL.

### UNIVERSITY OF LIVERPOOL | SUMMER RESEARCH ASSISTANT

June 2020 – Aug 2020 | Liverpool, UK

- Furthered my knowledge of machine learning & neural networks used for vision tasks - especially U-nets.
- Applied convolutional neural networks to geometric reconstruction in electron tomography, an idea based on the following paper.

## PROJECTS

### IMPROVING DDPG WITH SWA FOR FINANCIAL APPLICATIONS | LANGUAGES

(PYTHON, PYTORCH ETC.)

2020

- Implemented reinforcement learning algorithm DDPG based on the following paper using PyTorch.
- point2
- point3

### MACHINE LEARNING MODELS IMPLEMENTATIONS | LANGUAGES (PYTHON, PYTORCH

ETC.)

2016-present

- point1
- point2
- point3

### PROJECT 3 - IN IMPLEMENTATION | LANGUAGES (PYTHON, PYTORCH ETC.)

year

- point1
- point2
- point3

## SKILLS

### PROGRAMMING

Proficient:

Python • SQL • Shell

Experienced:

Java • JavaScript • HTML

Familiar:

Prolog • L<sup>A</sup>T<sub>E</sub>X • C++

### LIBRARIES/Frameworks

Pandas • Numpy • Matplotlib  
PyTorch • Keras • React

### TOOLS/PLATFORMS

Git • CentOS(Linux) • Jenkins  
Kubernetes • Postman

## EDUCATION

### UNIVERSITY OF LIVERPOOL

BACHELOR'S IN COMPUTER SCIENCE  
AND MATHEMATICS

2016 - 2020 | Liverpool, UK

First Class (Honours)

### TADEUSZ CZACKI'S HIGH SCHOOL

MATHEMATICS, ENGLISH AND  
PHYSICS

2013 - 2016 | 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, Table Tennis & Windsurfing

RELAXATION

Cooking & Video Games