Adam Kent

Computer Science Graduate and Data Scientist

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EXPERIENCE

UK HEALTH SECURITY AGENCY | Data Scientist
Aug 2021 - Present | Royal Leamington Spa, United Kingdom

- ➔ Analysing ePCR and laboratory data using Python visualisation packages.
- ➔ Developing code to contribute to the smooth running of robotics systems.
- ➔ Administrating Oracle and MS-SQL databases, and helping to develop IT systems.
- ➔ Working closely with the lead operations team, to produce analyses and metrics, aiding the productivity and development of the UK's largest testing facility.

PUREGYM LIMITED | Member Services Team
Jun – Dec 2018 | Leeds, United Kingdom

- ➔ Achieved the highest sales conversion rate for two consecutive months, exceeding KPIs in all other areas.
- ➔ Processed big data abiding to GDPR and processed financial records.

PROJECTS

CLASSIFICATION OF MUSIC BY GENRE (AI) | Python
University of Liverpool, 2021

- ➔ Neural network utilising Mel-Cepstral Coefficient data from samples of recorded music to group them by their respective genre.
- ➔ Utilises L2 regularisation and dropout in order to mitigate overfitting.

HAMILTON STARLAB AUTOMATION | Python
Rosalind Franklin Laboratory, 2021

- ➔ Simulating output CSV files for robotic dispensing machine to represent various levels of sample positivity accross 96 well plate inputs.
- ➔ Utilised for the testing of the robot for 'Cherry Picking' of positive samples.

RESTFUL WEB API SERVICE | JavaScript, PHP and SQL
University of Liverpool, 2021

- ➔ Worked with multiple web technologies to develop skills in full stack development, building JS apps with PHP backends, and a RESTful API with SQL database.
- ➔ Topics on the masters programme also included deep learning; computational algorithms; database systems; and e-commerce technologies.

SKILLS

PROGRAMMING

Proficient:
Python • VB.NET • JavaScript • HTML • CSS • SQL

Experienced:
Git • LaTeX • Linux

Familiar:
Java • Shell • PHP

LIBRARIES/FRAMEWORKS

Node.js • React • Bootstrap • TensorFlow • Keras

TOOLS/PLATFORMS

Git • Photoshop • Azure • Wordpress • Flask

EDUCATION

UNIVERSITY OF LIVERPOOL
Master's in Computer Science
Sep 2020 - 2021 | United Kingdom
School of Computing
Master's with Distinction

UNIVERSITY OF LEEDS
Biotechnology with Enterprise
Sep 2016 - 2019 | United Kingdom
Faculty of Biological Sciences
Bachelors with Honours (2:1

INTERESTS

- Fintech • Quant
- Blockchain • Cyber Security
- Ethical Hacking • Cloud Services (AWS / Azure)
- Cross-platform

HOBBIES

- Piano and Guitar
- Restoration of photos
- Health and Fitness
- Taught at programming club