

ANSON LEE

RG1, Reading, UK

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TECHNICAL SKILLS

Languages: Python, C#, R, SQL, Javascript, HTML/CSS, Go

Leadership: Mentorship, Project Ownership, Team Leadership, Technical Leadership, Product Strategy

Developer Tools: Microsoft Azure, Git, GitHub, Azure DevOps, CI/CD Pipelines, Docker, Kubernetes

Machine Learning & Data Science Frameworks: PyTorch, TensorFlow, scikit-learn, statsmodels

EXPERIENCE

ActiveOps plc

JUN 2024 – NOW

Machine Learning Engineer

Reading, UK

- Implemented Cloud Computing Infrastructure with Azure Container Apps, Queue services, KEDA scaling and CICD pipelines with Docker and FastAPI, allowing large scale experiments for Python prototypes, resulting in 200% faster experiment cycles
- Established coding standards and best practices for the first Python team by creating Python installation and style guide, code review process and CICD pipeline with Pytests and Azure DevOps
- Deployed flagship Chatbot feature "Virtual Coach" to provide a personalised and contextualised service to customers by explaining and improving their operation performance with operation management theory using C# and Azure OpenAI
- Collaborated between the Software Development Team and the Data Science Team to ensure projects can be productionised and are aligned with best practices and coding standards

ActiveOps plc & Henley Business School, UoR

DEC 2021 – JUN 2024

Data Scientist & KTP Associate

Reading, UK

- Led UK government-funded project to augment operation management software with AI & ML through Academic Research programme, Knowledge Transfer Partnership (KTP), leading to 2% reduced churn, and attracted 5+ new logos
- Led 3 flagship ML and Data Science projects, reducing production schedule by 30%
- Mentored 3 data scientists and provided technical supervision to all ML and Data Science projects
- Hosted 3+ public-facing presentations and 2 internal workshops to increase brand awareness and uplift development team's data science skills and knowledge
- Prototyped 5+ end-to-end PoC features to collect customer and internal feedback to improve customer experience and reduce time-to-market by 100% using FastAPI, Docker and Azure App Service
- Led strategic development project of an in-house Synthetic Data Generation Engine for model testing and simulations
- Initiated proprietary Python framework for business-specific AI agent powered by language models
- Published 2 white papers by analysing industry trends with R statistical hypothesis testing frameworks, such as Regional Productivity, Work vs Home performance

University of Reading

AUG 2021 – NOV 2021

Data Analytics Research Assistant

Reading, UK

- Contributed to a EU-funded research project: D4FLY Traveller Risk Assessment with ML
- Engineered KNIME workflows for Synthetic Data Generation and Model Training of traveller records
- Communicated complex data science concepts effectively to key stakeholders, ensuring alignment and understanding across multidisciplinary teams

PROJECTS

World of Warcraft Auction House ETL | Python, SQL, Docker, Azure

2023 – 2024

- Developed scalable ETL pipelines handling 10GB+ daily data intake with Azure Functions while keeping total operation cost under £30
- Set up CI/CD pipelines with GitHub Actions to deploy through Docker containers, ensuring testing and deployment quality

EDUCATION

University of Reading

SEP 2020 – SEP 2021

MSc in Advanced Computer Science (Data Science) Distinction (80.51%)

Reading, UK

- Dissertation: Emotion Classification via ML & NLP on Live-streaming Platform
- Designed and implemented an end-to-end ML solution with SQL and Python on Google Cloud Platform
- Domain-specific NLP application resulted +10% accuracy vs. related methods
- Formulated Emotion Index predicted by a ML model as trackable KPI for streamers

The Polytechnic University of Hong Kong

SEP 2015 – JUN 2019

BEng (HONS) in Civil Engineering

Hong Kong