Christian Harries

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WORK EXPERIENCE

Local Broadband   **London, UK**
Software Developer   *Jun 2023 - Present*
- Assembled reusable data prediction and analysis models to deliver insights on broadband coverages throughout the UK.
- Constructing frontend and backend systems capable of hosting and running complex requests using **RESTful APIs**.
- Filling a market gap by providing fast and comprehensive insights using **Python** to businesses looking to relocate.

Bank.Green   **London, UK**
Software Developer   *Aug 2023 - Present*
- Building backend **Django** APIs that interact with **Vue.js** front-end providing reactive information to the user.
- Improving UI/UX and building systems that make use of AI tools to generate prompts that minimise the user's effort to apply pressure on their bank to invest less in fossil fuels. Yielding high impact for minimal user effort

The British Medical Journal   **London, UK**
Digital and CRM Campaign Executive   *Jul 2022 - Dec 2023*
- Took initiative by spotting and introducing new data cleaning/organising processes greatly improving our work efficiency.
- Proficiently used **OracleSQL** server and FastStats to select and analyse data containing 1 million+ users to complete on average 5 tickets/week, allowing our CRM team to take on a bigger workload and our marketing team to reach a wider audience and improve user retention.

PROJECTS

Who's Playing
CRUD Web App
- **React** app connecting individuals who struggle to find basketball players to compete with. Everyone can view available Games/Sessions and users can join/create games or sessions to invite others to join.
- Integrated **AWS** platform cloud capabilities (lambdas, S3, dynamoDB, etc.) to make the application highly scalable.
- Innovated by creating a faster free alternative for players who just want to enjoy a quick basketball game out in the open.
- Tracking activity on CloudWatch to spot and fix bugs without interrupting the site by making use of **CI/CD**.

Smaller Projects
- **Stocks Viewer:** Collects the top-mentioned stocks from Reddit's r/WallStreetbets (**Python**, **Flask**).
- **Data:** Digit Recognizer (Neural Network), House pricing and Titanic Death Toll prediction (Regression, Classification).
- **Pathfinder Algorithm Visualiser:** Visualisation of Dijkstra's and more pathfinding algorithms (**React**, **JavaScript**).

SKILLS

- **Languages:** French (*Native*), English (*Native*).
- **Programming languages:** C, Python, JavaScript.
- **Web development:** HTML, CSS, React, VueJS, NodeJS, Flask, Django.
- **Database management:** GraphQL, MongoDB, Mongoose, MySQL, Oracle SQL Server, Firebase.
- **AI:** Numpy, ScikitLearn, TensorFlow, supervised/unsupervised learning, deep learning, NN, reinforcement learning.
- **Other:** Git, Excel, FastStats, PeopleStage.
- **AWS:** Lambda, S3, DynamoDB, IAM, Cognito, App Sync, Amplify.
- **Professional certificate:** *Google data analytics course*, *Stanford Machine Learning*.

EDUCATION

University of Southampton   **Southampton, UK**
BSc Criminology   *Jul 2022*
- Research methods and data analysis I and II. Research methods in the social sciences.

Saint-Joseph   **Thonon-Les-Bains, France**
Science and Economics Baccalaureat, A-Level equivalent   *2016 - 2019*
- Overall grade: 14/20, Graduated with honours, AAB equivalent.

Interests
- Programming, Sports (Basketball, Football, Gym).