Joe Kadi

Software / Machine Learning Engineer
MSci Computing Science

joeekadi@gmail.com
+447402020719
www.joekadi.com

Education

Glasgow University | MSci Computing Science *August 2016 - May 2021*

Work Experience

Technical Writer | Towards Data Science *May 2021 - Present*
Data Science, Deep Learning, Freelancing

- I actively write about data science, deep learning & freelancing in the popular medium publication: Towards Data Science.

University of Glasgow | Computing Science Tutor *Sept 2020 - May 2021*
Java, SQL

- Teaching students about the software engineering practice and the fundamentals of SQL, Java, and HCI.
- Senate approved exam script marker.

Traceall Global Limited | Full Stack Software Engineer *June 2020 - May 2021*
HTML, CSS, Javascript, jQuery, AJAX, PHP & SQL

- Contributed to back and front end of internal corporate web applications for clients such as: Selfridges & Co, Fortnum & Mason and Jamie Oliver.
- Developed several extensive REST API's using jQuery, AJAX and PHP.
- Built out and optimised many MySQL stored procedures in order to simplify and speed up database interactivity.
- Carried out vigorous QA testing in JUnit and generated report for client at least once a week.

TÓCE Limited | Co-Founder | toceglasgow.com *March 2019 - Present*
Adobe Illustrator, Photoshop, After Effects, Premiere Pro, Python

- I design, engineer and manage the production of products and online applications. Mainly the lead data analyst.

Projects

Evaluating DNN Uncertainty Calibration Techniques to Enable Bayesian IRL *Sept 2020 - April 2021*
Python, NumPY, PyTorch, ClearML, MatLab

- Grade A self defined MSCi individual project. The final paper can be found on my LinkedIn & code on GitHub.
- Motivated, implemented and evaluated 3 state-of-the-art uncertainty estimation methods for Deep Neural Network in the Inverse Reinforcement Learning problem. A Gaussian Process was implemented and used as a base-line comparison.

Interactive Refrigerator Magnet to Reduce Food Waste *Sept 2019 - April 2020*
Swift, C++, SQL, Python, Adobe XD

- Grade A self defined honours year individual dissertation project. Final paper found on my LinkedIn & code on GitHub.
- Built an iOS app in Swift as a prototype for a novel refrigerator magnet application which aimed to of reduce food waste.
- Implemented front and backend using MVVM architecture and Swift.
- Conducted user interviews and experiments to initially gather requirements and to evaluate the final prototype.

Nutriplotter Crossplatform App *Sept 2018 - April 2019*
React Native, SQL

- Grade A final third year team project which is a cross-platform mobile app, developed in React Native, that encourages healthy eating through a nutritionally accurate plate building game.
- Worked very close with client, The Glasgow School of Dentistry & Medicine, throughout entire development lifecycle.
- Regular stand-ups, sprints retrospectives and task estimation.

Skills

- Languages:, Python, MatLab, Java, C++, C, C#, Swift, SQL, Javascript/HTML/CSS, PHP, Bash
- Frameworks: Python, PyTorch, TensorFlow, Keras, OpenCV, PySpark, Hugging Face, AWS, Django, React, Ajax
- Tools: Git, Linux, Docker, Gradle, CI/CD, Adobe Illustrator, Photoshop, After Effects, Premiere Pro