Joe Kadi
Software Engineer & Consultant
MSci Computing Science

www.joekadi.com
+44(0)7402020719
contact@joekadi.com

Education

Glasgow University | MSci Computing Science
August 2016 - May 2021

Work Experience

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

- 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*
React, jQuery, AJAX, PHP HTML, CSS, & 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.
- Built out and optimised many MySQL stored procedures in order to simplify and speed up database interactivity.
- Carried out vigorous QA testing and generated report for client at least once a week.

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

- I design, engineer and manage the production of products and online applications. Lead software engineer & data analyst.

The Glasgow School of Dentistry & Medicine | Full Stack Software Engineer   *Sept 2018 - May 2019*
React Native, Python, SQL, HTML, SCSS

- Developed a mobile app in React Native that gamified building a nutritious plate to encourage healthy eating.

Some Projects

Evaluating DNN Uncertainty Calibration Techniques to Enable Bayesian IRL   *PAPER*   *REPO*
Python, NumPY, PyTorch, ClearML, MatLab

- Grade A self defined MSCi individual project.
- Motivated, implemented and evaluated 3 state-of-the-art uncertainty estimation methods for Deep Neural Networks in Inverse Reinforcement Learning. A Gaussian Process was implemented and used as a base-line comparison.

Interactive Refrigerator Magnet to Reduce Food Waste   *PAPER*   *REPO*
Swift, C++, SQL, Python, Adobe XD

- Grade A self defined honours year individual dissertation project.
- Built an iOS app in Swift as a prototype for a novel refrigerator magnet application to reduce household food waste.
- Conducted user interviews and experiments to initially gather requirements and to evaluate the final prototype.

Personal Portfolio Website   *LIVE*   *REPO*
React.js, HTML, SCSS

- My personal portfolio website to showcase all of my work.

Nutriplotter Mobile App   *LIVE*   *REPO*
React Native, Python, SQL, HTML, SCSS

- React Native mobile app game built for the The Glasgow School of Dentistry & Medicine to encourage healthy eating.
- Had regular stand-ups, sprint retrospectives and task estimations. Worked very closely with client (weekly meetings).

Skills

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