DANIEL WILDE
FULL STACK WEB DEVELOPER

https://heresdanny.co.uk
https://github.com/mcspooder

Python **AWS** **C#** **MySQL**

Utilizing the latest Django web framework, I can create application modules for both efficiency and code reuse. I have been developing for 5+ years and have experience with numerous languages. I have a strong interest in AI, and along with a friend, I've been working on a project named 'facetools' in my downtime. Using Tensorflow, the application takes a portrait as an input via the web-app, and searches our database of 140,000 vectors for an oil painting look-alike for a given face. I set up a Linux Server running CentOS helped by previous experience using GNU Bash. In my free time I enjoy playing beat saber, cooking plant based keto food and looking at my quartz crystals.

CAPITA

Enrolled as a graduate Novus studying and practising DevOps, I have been working with a colleague to develop a banking web application that could create accounts and transfer funds and save the data in a Database. The tech stack consisted of Java, spring boot and MySQL. Git and GitHub was used for code version control.

EDUCATION

BSc Computer Science/University of Hull (2.1) Sep 17 – Mar 20

Some notable modules taken include: Networking, Advanced Programming (C++), 2D Graphics and Simulation (HTML,JS,CSS). My dissertation was using deep learning for Alzheimer's diseases classification in python.

Computer Science/Bury College Sep 15 - Mar 17

Learned the foundational theory and skills underlying programming and computer science. For the final year project created a program to find the shortest route to any room in the college.

PROJECTS/ GROUP WORK

Backend Web Developer Jun 19 – Nov 19

Co-created FaceTools; a web app which matches your image with the closest celebrity lookalike. My role included implementing and training a machine learning model using python and TensorFlow as well as preprocessing 500,000 images of celebrities on a VPS. MySQL was used for data management.

Lead Engineer/Full Stack Jan 19 - Mar 19

Led a team of software engineers using the Kanban agile methodology to develop the university module picker app in C#. The role involved programming the back end as well as supporting and keeping the team on track. Subversion was used for version control of the code and to collaborate effectively.

Software Engineer Sep 18 - Nov 18

Worked in a team to create a gym facilities management software for personal trainers and staff. Role included test driven development as well as ULM modeling the different software components. Regular meetings with the team were scheduled and attended to discuss technical details of the development and to delegate tasks.

REFERENCES

JAKE NELSON
Evident

Back End Developer
E. (contact me)

DARREN MCKIE
University of Hull

Lecturer of Advanced Programming
E. (contact me)

LANGUAGES

English (Fluent)

Russian (Fluent)

CAPITA

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Enrolled as a graduate Novus on the Software Development, DevOps and testing scheme. Through the scheme I have embellished my knowledge of web technologies and got to partake in numerous collaborative group activities. For the master project. I have been working with a colleague to develop a banking web application that cab create accounts and transfer funds and save the data in a Database. The tech stack consists of Java, spring boot and MySQL. Git and GitHub was used for code version control.

FaceTools - Back End Web Developer

Co-created FaceTools; a web app which matches your image with the closest celebrity lookalike. My role included implementing and training a machine learning model using Python and TensorFlow as well as preprocessing 500,000 images of celebrities on a VPS. MySQL was used for data management. All the images were downloaded from a centralized public database, but they were processed into math vectors with the help of my custom neural network. The neural network extracted the latent features of the images, which are essentially the most defining characteristics embedded within an image. This could range from eye distance to hair color to face shape and then an arbitrary combination of those. I would then save these vectors in a database and compare a given users vectors to the rest using Euclidean distance calculation.

University of Hull module Picker – Lead Engineer

Led a team of software engineers using the Kanban agile methodology to develop the university module picker app in C#. The role involved programming the back end as well as supporting and keeping the team on track. Subversion was used for version control of the code and to collaborate effectively. Every couple of days I would arrange meetings with the team to have stand ups and to increase team transparency and productivity. All the necessary tasks would be brainstormed at delegated at these sessions providing that the maximum number has been reached for the board. Each task would be assigned a difficulty a long with priority by discussing with the team. Other than project management, I also took part in building the user interface and the database (SQLite) for the app.

Gym Facilities Management - Software Engineer

This was part of the first group projects undertaken at University of Hull. It involved making an application that would benefit the life of university staff. Our chosen application was a gym facilities management app which would allow personal trainers to book rooms and schedule meetings with their clients. This was the first collaborative object-oriented programming project that I have undertaken, and it had allowed me to grow my understanding and expertise of complex and robust software systems. The application was coded in C# and the data was stored in a csv file. During this project I also learned a lot about version control and how to effectively maintain code by regularly backing it up to a distributed database.
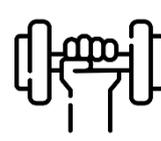
HOBBIES

| Spontaneous | Daily | Daily | ~X2 per week | ~X2 per week |