Cross Platform

Project 8.

Project Name:

Developing a Dynamically Controlled Advertisement Display Solution to Aid the Targeting Of Marketing Content

Project Description:

This project aims to develop a Dynamically Controlled Advertisement Display Solution which provides clients with a software application that can deliver rich marketing content to remotely controllable display screens in different geographic locations. This new solution should allow its clients to target their marketing content to passing audiences by setting when, where and for how long advertisements can be displayed.

Are there any prerequisite skills / courses?

Webpage development, Database, Mobile App

Which degree program is this aimed at?

3rd or Mcomp

Number of students you wish to undertake this project

1

Project 9.

Project Name:

Developing an online 2D/3D map shows locations of especial species (5 species) of birds using a mobile app

Project Description:

This project aims to develop a 2D or 3D map for the locations of birds in Lincolnshire using a mobile app; so user can capture an image of a bird and send it to a website with the GPS information and a tag using a mobile app; the website will process the received information and update the online map by adding the image to the map.

Are there any prerequisite skills / courses?

Webpage development, Database, Mobile App

Which degree program is this aimed at?

3rd or Mcomp

Number of students you wish to undertake this project

Your Name: Sills & Betteridge LLP, Solicitors (Andrew Kerrigan or colleague) + SoCS mLearn & CS

Link to your staff profile page:

Any other relevant links to your research:

https://www.legalfutures.co.uk/latest-news/regional-firms-motoring-law-chatbot-first-of-many

http://www.thebusinessdesk.com/eastmidlands/news/2017203-law-firm-launches-legal-tech-drive

Complete this form for each project that you propose:

Project Name
Health and safety sentencing guide or daily assistant
Project Description:
The penalties for breach of health and safety law vary substantially depending on the circumstances of the breach. It is often difficult for businesses and professionals to properly assess and predict the outcome of health and safety investigations and prosecutions. The project is to develop a web based tool to assist businesses, solicitors, insurers and others estimate the penalty risk arising from a breach of health and safety legislation. The tool may utilize an element of machine learning/AI technology. Users of the tool should be guided through the decision tree of health and safety guidelines and the information provided will be cross-referenced against the

HSE database of prosecution results collated since 1 February 2016. The tool will provide the user with a list of relevant decided cases more accurately than a search engine (e.g. Google or equiv.) and more efficiently than manually trawling through the HSE database. Alternatively, or in addition, the project might consider whether it is possible to utilize a machine learning tool to create a health and safety daily assistant which asks a question such as "What is the next task you are about to perform?" in response to which the assistant will search for and provide the most relevant health and safety guide to assist with that task and also find relevant cases which illustrate the type of accidents people have suffered whilst undertaking that task. If, subject to review and testing, the web based tool is successful, the project may be published on the Sills & Betteridge website and/or promoted by Sills & Betteridge for the benefit of its clients.
Are there any prerequisite skills / courses?
Computing, database, ML/AI, web app; teaming up with Law student a +
Which degree program is this aimed at? (It can be more than 1)
BSc; MComp/MSc (depending on the extent of the ML/AI component and level of implementation)
Number of students you wish to undertake this project
No preference.

Your Name: Sills & Betteridge LLP, Solicitors (Andrew Kerrigan or colleague) + SoCS CS

Link to your staff profile page:

Any other relevant links to your research:

https://www.legalfutures.co.uk/latest-news/regional-firms-motoring-law-chatbot-first-of-many

http://www.thebusinessdesk.com/eastmidlands/news/2017203-law-firm-launches-legal-tech-drive

Complete this form for each project that you propose:

Project Name
Pot Hole claims platform
Project Description:
The poor state of repair of some roads in Lincolnshire and other counties frequently causes motorists to suffer damage to their vehicles. In some circumstances local authorities are liable to compensate motorists for this damage. Unfortunately, obtaining legal advice to help pursue these claims can be prohibitively expensive and many motorists find it difficult to get clear advice regarding their particular circumstances and where to send their claim. The project is to design a web page/platform/app which enables members of the public who have suffered damage to their vehicle from pot holes to capture the location of the incident, identify the responsible local or roads authority, upload relevant evidence, populate a standard "letter of claim", all through a text chat style interface. The web page/platform/app will email the user a copy of a completed letter of claim, populated with the relevant information and enclosing or attaching the relevant evidence, together with the email address the letter needs to be sent to. If, subject to review and testing, the web page/platform/app is successful, the project may be published on the Sills & Betteridge website. An extension to this project may be to create a general incident notification/capture platform by which law firms can produce similar procedures to generate letters of claim in other areas of the law.
Are there any prerequisite skills / courses?

Computing, web/mobile app; teaming up with Law student a +
Which degree program is this aimed at? (It can be more than 1)
BSc; MComp/MSc (depending on the extent of the ML/AI component and level of implementation)
Number of students you wish to undertake this project
No preference.