

Work & Experience

Freelance Web Design / Development Work :

- 2013 **Rochdale Pioneers Trust** - Created a secure file sharing platform for a local government education authority.
- 2013 **Naz Kebab House** - Local fast-food restaurant.
- 2014 **Hopwood Hall TV Show** - Website of Hollywood TV Show.
- 2016 **PebbleID** - Digitised QR Code Business Card-like Smartwatch App

Young Rewired State Competition :

Week-long youth programming challenge to create projects which solve real world problems using private and government APIs & datasets:

- 2012 **Youtilities** - Web Application which maps vital facilities in busy cities (e.g. Toilets, First Aid, Police Station, etc...).
- 2013 **Carbon Diary** - Mobile App which analyses and visualises the user's carbon footprint (via automatic recording or manual input of daily transport, food and drink use). We hoped to create awareness of individuals'global warming effect, by enticing users to compete for the lowest stats amongst their friends on social media.
- 2014 **Election Time** - Web Application which helps UK voters learn about the policies of standing parties at local election time. It allows users without an interest in politics to discover the party of their opinions and attitudes. The user need only complete a short, randomised quiz of scenario-type questions and a neural network creates a political profile which is used to order the database of political parties.
- 2015 **Coffee Bean** - Web & Mobile Order and Collect Service which allows users to browse and order unique, high quality coffee and other products from the menus of the city's coffeehouses in advance. This increases consumer choice, eliminates queue waiting times. The service serves the purpose of creating a marketplace which subverts the monopoly of Starbucks and Costa, etc... through convenience and an ad-hoc commision-based business model.

Degree Project :

As a Computer Science student in the third year of my degree, I am currently designing and developing an exciting and innovative social network platform for Geolocation-based messaging and content sharing called **"GeoChat"**. The project is allowing me the opportunity to further increase my knowledge of the most cutting-edge technology such as Node JS Web Server Development with ES6-standard Javascript, developing a custom ArcGIS global mapping server, making effective use of the latest Android OS APIs with Kotlin & Java languages, and developing a custom Java library which delivers stable and reliable Peer-to-Peer Messaging functionality using WebSockets and REST API Server. It has also given me an opportunity to develop my business and organisational skills such as the resonsibility to deliver timely technical and strategic reports and the requirement to professionally present my project to knowledgable academic staff for grading.

Education

2008 - 2013			
GCSEs (Secondary Education)			
St Cuthbert's Business & Enterprise College, Rochdale, UK			
English Lang.	C	Religion	E
English Lit.	C	Citizenship	D
French	B	Info. Tech.	C
Physics	C	Gen. Science	B
Chemistry	D	Mathematics	B
Biology	E	IT Skills	Pass

2013 - 2015  
BTEC Level 3 Extended Diploma in IT,  
Hopwood Hall College, Middleton,  
Manchester, UK  
  
*Triple Distinction (D\*D\*D\*) (Highest Grade)*

2015 - present  
BSc (Hons) Computer Science with  
accreditation from British Comp. Society,  
Manchester Metropolitan University,  
Manchester, UK

References

**Namaan Mohammed (Prog. Manager)**  
Hopwood Hall College, Middleton,  
Manchester, UK  
0161 643 7560  
  
**Nicholas Costen (Senior Lecturer)**  
Manchester Metropolitan University,  
Manchester, UK  
0161 247 1490