

Introduction

I'm a Computer Science student with an interest in AI, Network Infrastructure, and the Internet-of-Things. I have experience creating websites and applications which assist and benefit the lives of non-technical people. I do this yearly at the Young Rewired State competition where I make use of open-data and in turn teach teenagers to code. I have also worked on many freelance projects for private clients, which have allowed me to acquire social and entrepreneurial skills.

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.

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

Martin Shaw

Curriculum Vitae

07564 979 107

martinshaw@alumni.com

Technical Skills

Programming Languages / Technologies :

**Java (Android) PHP (Laravel/Symfony) C#
Lua HTML5 CSS3 JavaScript (ES6) Node.js
Unix Shell JSON**

Experience with Operating Systems :

**Windows (7 & newer) Linux (Debian/Fedora) Mac OS X
Solaris (10 & newer) Android iOS WebOS Firefox OS**

Experience with Design Software :

**Adobe Illustrator Adobe Photoshop Adobe Premier Pro
Adobe After Effects AutoDesk AutoCAD Blender**

Essay

Since being a young child, Technology, Programming and how they can improve the future has been my most natural and evident interest. I explored websites like Wikipedia and Facebook on slow dial-up internet and realised how the information and its reliance on open participation would benefit the people of the world in their education, entertainment and everyday activity. I would create small, static websites which made creative use of this data, as a frequent method communicating ideas.

Later, I would improve my own creative and technical knowledge, by self-teaching and seeking tutorship on the topics of effective UX Design, Server-Side languages (PHP, Ruby), Client-Side languages (JS, XML, etc...), System Administration and Deployment (Linux, Microsoft Server, etc..).

My intuition and passion for seeking new knowledge has always been clear to those around me, including the IT staff of my high school who offered me and a group of enthusiasts, a weekly session to learn about network infrastructure and ask technical questions. We discussed, installed and gained technical information regarding servers, DNS, network planning, TCP-IP, and telephony systems.

The latter of which I had a significant interest in. I have always had a curiosity in how large organisations plan, operate and maintain a large telephone network. I gained experience on how to install a Cisco telephony system, and how calls are routed through a secure network. This interest extended into personal communication, "How are billions of phone calls and SMS messages sent and received each day?!", I believe this often underrated human capability to be one of the most incredible and miraculous achievements of our time.