

# Robert Nixon

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## EXPERIENCE

### **Develop 1 Limited, Bicester**

July 2016

I joined Develop 1 Limited for a week of work experience after finishing my AS Levels. Whilst working there I developed experience in managing and maintaining SQL databases with MS server management studio. I also learned about the admin side of running a small business, for example I was put in charge of calculating the expenses for the company for the past year.

### **North Oxfordshire Green Party, Cherwell — Web Developer and Vice Chairperson**

August 2015 - Present

I joined the North Oxfordshire Green Party in April 2015 just before the General Election. Since then I have been elected Vice Chairperson of the branch and have created a new website (northoxfordshiregreenparty.org.uk) for them, adding features as required.

Possibly the most valuable experience I have gained from being a part of this organisation is the soft skills that I have developed. In my opinion, the current Computer Science curriculum in the UK does little to build vital soft skills, such as working in teams on projects, that are vital to have in the workplaces of today. I believe being part of the North Oxfordshire Green Party and being trusted with a level of responsibility that I had not previously experienced has enhanced my ability to work in teams, deliver work/projects to deadlines and communicate clearly with others.

## PROJECTS

### **Computing Tutor — A website for teaching computer science to GCSE and A Level students. (computingtutor.net)**

I started this project in July 2016 as part of my level 3 extended project qualification.

The idea came from my experience revising for Computer Science exams. When revising it became apparent that there wasn't many good quality websites dedicated to teaching the content that GCSE and A Level

## SKILLS

### **Joomla CMS**

I have experience using the Joomla content management system. I have used Joomla on my Computing Tutor website and on the North Oxfordshire Green Party site.

### **Technologies**

Additionally have experience using the following technologies:

- Languages:
  - Python
  - Java
  - HTML/CSS
  - SQL
  - Limited Javascript
  - Limited PHP
- Tools:
  - Android Studio
  - phpMyAdmin
  - Netbeans
  - Pycharm
- Operating Systems:
  - Windows
  - Linux

## AWARDS

**Achievement in Computer Science** Year 13, Wheatley Park School

students need to know. I decided to address this with video tutorials showing students how to get full marks on actual exam questions.

The site is in its infancy at the moment and I have not built up a large audience. However I plan to continue developing the site beyond the timescale of the level 3 extended project as Computer Science is becoming a more important area of knowledge for school age children to learn about every year.

## **Canvass Master — A mobile application to improve the effectiveness and efficiency of canvassing in first past the post elections.**

I developed the first version of Canvass Master for my A Level Computer Science coursework.

I thought of the idea whilst overseeing the canvassing process in the Green Party. Data from the canvassing session would be entered into a spreadsheet after being recorded on canvass sheets and then analysed. I realised that if we had an application canvassers could use on their mobile phones that allowed them to enter the data about each conversation and instantly record it in a database, it would save hours of time spent entering data and free up more time for party members to talk to more voters and carry out other tasks.

The version I created for my A-Level Computer Science was not suitable for public release, however I'm looking to develop the app further and to release it in future.

## **EDUCATION**

### **The Cooper School, Bicester — GCSEs**

September 2010 - June 2015

GCSEs Achieved:

- Applications of Mathematics - A
- Biology - B
- Chemistry - A
- Computing - A\*
- English Language - B
- English Literature - B
- Engineering - A
- Geography - B
- Methods In Mathematics - A
- Physics - A
- Religious Studies - A

## **Wheatley Park School, Holton — AS and A Levels**

September 2015 - Present

AS Levels Achieved:

- Computing - B
- Further Mathematics - C
- Mathematics - B
- Physics - C

A Levels:

- Computing - Pending
- Mathematics - Pending
- Physics - Pending

Level 3 Extended Project Qualification (Pending Grade)