

# Greg M<sup>C</sup>Cormack – Control Systems Engineer



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## Professional Profile :

Control Systems Engineer, with exposure working across many different industries and most sectors of control engineering.  
Conversant with a broad spectrum of Languages, SCADAs and PLCs.

Enjoy being a team player, sharing results and successes with the team around me, I am comfortable in a senior role, sharing my knowledge and experience with junior engineers.

“Highly respected by all those around him, with his professional approach, gets on well with fellow engineers and customers alike.”

[References](#) available on request – Please contact me - [grmccormack@googlemail.com](mailto:grmccormack@googlemail.com)

## Education and Qualifications :

**1981 – 1985** **BSc in Electrical and Electronic Engineering** from Liverpool John Moores University ( Liverpool Polytechnic )  
**2017** **17<sup>th</sup> Edition Wiring Regulations** and became a Part P Registered Domestic Installer with the NICEIC

## Recent Career History :

### **B2Controls , Altrincham - Siemens Transportation Systems UK, Leicestershire - for the Crossrail London.**

Working as a Software Developer using ( a variant of ) Pascal, Visual Studio, .Net , Plastic SCM ( a cross-platform distributed version control system ), Jira ( collaborative agile ticketing system for software development ) and many bespoke packages for the development of the SCADA system for the monitoring ( via OPC connections ) of the Crossrail stations and infrastructure.

**Over the Summer2020** C++, Python, Gtk, Julia ( based on Matlab and Python ), PlatformIO on Visual Studio and other IDEs

**Feb 2020 – Laid off due to Corona** Software department at Thyson Technology – they design and manufacture Grid Entry Units for Gas and BioGas into the Gas network. Increasing the calorific value by adding propane prior to injection into the grid.

**Autumn 2019 – Feb 2020** **Cygnat Textimp in Northwich**, a short three month contract, they manufacture carbon fibre cutting and winding machines for customers around the world. They needed assistance coding their Beijer HMIs with Beijer's iX Configurator. Written in **C#**, users can write scripts to do more challenging tasks. As always the challenge is to find a slick way of coding the HMIs using aliasing and tag replacement – doing as much coding as possible outside the iX developer. Then moved on to a Robotics job designing / programming a Siemens 1500 which was scheduling robotic activities.

**Sept 2018 – Spring 2019** Worked on contract for **GEA, Warrington**  
Working primarily on one of their customer's sites - Greencore, commissioning cookers for the ready meal market. The cookers needed batch sequencing, and CIP ( Cleaning In Place ) which was done to exacting standards. The system used Allen Bradley with Wonderware InTouch Scada system with a bespoke recipe management system.

## PLCs

Siemens	TiaPortal S7-1500, S7-300's & 400's TwinCat 3 *
Rockwell - Allen Bradley	PLC5 , SLC500, ControlLogix, RSLogix5000
Modicon	9845
Texas	5TI, 530
CEGELEC	Gem80/131 165 312
Mitsubishi	F2-60, A1N
Moores	APACS – 4mation DCS
Sattcon	05-20, 15,31,OP45,OP65
Klockner Moeller	PS2
Omron	C20, C200HS
Sy/Max	500, DLog, Loader Monitor
Bristol Babcock	DPC 3000 range

## SCADA \ HMI Systems

Siemens	WinCC and WinCC Flexible
Allen Bradley	FactoryTalk
Wonderware	InTouch
Moore Products	ProcessSuite \ MicroAdvantage
GE	iFIX 5.8 and FIX32
Bristol Babcock	Enterprise
Mitsubishi	MAC50 , Beijer iX Developer

## Office

Microsoft	Office – Excel, Word, Dbase, VStudio, VB MSProject
OpenOffice	scal with macros and faceplates, Database and Drawing Package.

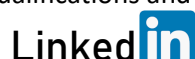
## Networks

DeviceNet, Profibus DP & PA, Fieldbus, Hart, ASi

Naturally I also use many other software packages including :- SQL, Python, C , OO\_Basic, RemoteDesktop, TeamViewer, VNC, VirtualPCs, VMware Workstation, Oracle VirtualBox, Acronis, WinAC, MicroWin, ProTool & Arduinos and RaspberryPi's, Putty, php, GitHub & VersionDog.  
Most recent project : <https://github.com/GregMc/MorseOnArduino> see my YouTube video from the GitHub link.

One of my Raspberry Pi's sits on my router as my webserver – hosting about ten websites and another is a universal configurator, my mini Fileserver running OpenMediaVault and hosting paid for video services to the TV.

For more information:- Qualifications and History – Please visit my website  
Curriculum Vitae of  
Greg M<sup>C</sup>Cormack



<http://GregMcCormack.uk>

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