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| Curriculum  Vitae | |  | | --- | |  |   **Michal Stefan**  **Wysocki** |

**Name** Michal Stefan Wysocki

**Date of birth** 03.01.1984

**Address** 23 Riverside Close, CV34AT Coventry

**E-mail** AlternativeControlLtd@gmail.com

**Phone no.** 077 22806949

**Languages** English, Polish (Native).

**Work Experience**

**03.2017 – Present** [**Alternative**](http://www.mechatronic.co.uk/) **Control Ltd**

**Managing Director / Control Engineer:**

Responsibilities:

* Control Engineering consultancy undertaking tasks involving System Control design
* Currently contracted by one of the automotive establishments in order to aid with vehicle dynamics and diagnostic software generation.
* Battery Management System Control Software
* Auto-code Generation. MIL, SIL, PIL unit testing.
* C coding, software integration and test
* MISCRA C, DOORS, RTC
* Real Time Embedded systems
* Target Link , Embedded Coder, VBA scripting
* Model based design
* AUTOSAR

**06.2014 – 03.2017** [**GE**](http://www.mechatronic.co.uk/) **– Power Conversion**

**Control Engineer:**

Responsibilities:

* Embedded Software Generation based on Matlab / Simulink / Embedded Coder
* C - coding
* Upgrades and commissioning of Dynamic Positioning systems
* Development work of the control software for HVDC power transmission system (Muskrat Falls Project)
* Upgrades of Marine Automation and Marine Power Generation Systems
* Extensive exposure to Mathematical modeling and control design for system dynamics
* JIRA, AGILE

**06.2013 – 06.2014** [**Mechatronic Production Systems**](http://www.mechatronic.co.uk/)

**Control Engineer:**

Responsibilities:

* Control Software generation.
* Managing team of technicians to complete the build.
* Integration, run up and commissioning of the projects.
* Customer support

**09.2009 – 05.2013** [**Beta research and Development**](http://www.ge.com/uk/)  **(GE Transportation)**

**Electrical and Electronics Engineer**

Responsibilities:

* Execution of various tasks within Research and Development environment
* Preparation of setups and experiments based on the Embedded technology
* Maintenance of bespoke Embedded systems for battery cycling
* Control Software generation

**Education**

* **2013 – 2016** Coventry University

**MSc in Control Engineering – First Class**

* **2009 – 2013** University of Wolverhampton

**BSc in Mechatronics – First Class**

* **2008 – 2009** Dublin Institute of Technology

**BEng in Electrical Engineering, Control and Automation (DT073)**

* **2005 – 2008** Dublin Institute of Technology (DIT Kevin ST. DT079)

**B Eng Tech in Electronics and Computer systems**

**Additional skills and qualifications**

* Matlab and Simulink
* System controller design based on mathematical model
* PID , MRC, Predictive loops for SISO an MIMO systems
* Signal filtering and parameter estimation via multiple estimation algorithms (RLS, KF, EKF). Also LPF, HPF and Pass band filtering.
* C / Assembler / VBA programming
* Excellent knowledge of Embedded systems design principles

**ADDITIONAL INFORMAION**

* Full, clean driving license
* Advanced knowledge of Microsoft Office
* Computer literacy to the advanced level