



Hi, i'm **Maarten Arits** !

Entrepreneur / Embedded engineer

Engineer by profession, Entrepreneur by heart. Focussed on high reliability, low power electronics, Embedded real-time embedded programming and scalable system design. My greatest achievement? The Ario project, we became a **Tier 1 automotive supplier** and logged over 1 million device hours without a single failure!

PROFILE

FULL NAME

ir. Maarten Arits

BORN

23 Feb 1993 - Genk, Belgium (Belgian)

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FIND ME ON

 (<https://github.com/MaartenArits>)

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EDUCATION

MASTER INDUSTRIAL ENGINEERING – ELECTRONICS

 **KU Leuven** (https://onderwijsaanbod.kuleuven.be/opleidingen/n/SC_52922031.htm#bl=01,0101,0102,02) - Groep T
(<https://iiw.kuleuven.be/groept>) (1 Years master) - *Graduation June 2016*


I combined my master with the computing master. In this curriculum I learned signal analysis, data processing and power electronics. I much enjoyed building power prototypes in my lab.

MASTER INDUSTRIAL ENGINEERING – COMPUTING

 **KU Leuven** (https://onderwijsaanbod.kuleuven.be/opleidingen/n/SC_52922031.htm#bl=01,0101,0102,03) - Groep T
(<https://iiw.kuleuven.be/groept>) (1 Years master) - *Graduation June 2016*

In the computing master I dove deeper into design patterns of solid software and testing. In my spare time i put these concepts into practice building small embedded prototypes. I decided to combine the master programs because i strongly believe hardware and software are one when working embedded.

POSTGRADUATE INNOVATIVE ENTREPRENEURSHIP

 **KU Leuven** (https://onderwijsaanbod.kuleuven.be/opleidingen/n/SC_52609310.htm#bl=01,02,03) - (1 Years Postgraduate) - *Graduation June 2016*

For a long time I wanted to be an Entrepreneur, this Postgraduate offered me all the baggage I needed to get started. Not only did we learn the basics of Entrepreneurship, we also had inspirational sessions from Belgium's top CEO's. Throughout this year I worked on creating a new business from the ground up. I decided not to launch but the experience was very valuable.

WORK EXPERIENCE

CONFIS

 **Founder** - 23 Feb 2018 - current


A start-up focussing on embedded data collection, processing and visualisation. We use Event sourcing and the highest standards of programming (MISRA C) to ensure highly reliable solutions.

ARIO SERVICES NV

 **Head of Research and Development** - Mar 2017 - Mar 2018

I hired and managed a remote team of 5 people. Together we build an online infrastructure for remote updating the device, collecting data and visualizing it for the end User. Together we set up a smooth working experience using Jira, slack and google docs. During this period we became an automotive supplier and our device logged more than 1 million hours of operation without a single hardware failure. I strongly embraced the power of a solid process with ampel feedback.

ARIO SERVICES NV

 **Product Engineer** - Mar 2016 - Mar 2017

I joined the team to create Ario, An attention monitor for Trucks and Busses drivers that analyses micro-steering corrections made by the driver and alerts drivers in case of fatigue. I was the 2nd person to join the Start-up and was the first technical person joining the company.

I was responsible for creating the device and making it ready for mass production and deployment. Throughout this process I creating automotive great electronics with safety critical, fail safe software to detect the drivers fatigue. I fully tested the hardware and software, set up processes and quality control.

TURBULENT

 **Electronics and System Engineer** - Okt 2015 - Mar 2016

Hardware development for industrial sensor system. Design and programming of a controller for a 5 – 30kW micro hydro-electric power plant

SKILLS

PROFESSIONAL SKILLS

Presentation skill, Jira, SMART Documentation, MVP, Business modeling, Remote teams, standards and regulation, and more ...

EMBEDDED SKILLS

PCB layout, PCB desing and testing, VHDL, Embedded C, Quantum Leaps, Mbed, Embedded C++, Map files, Linker files, GDB, cyclomatic complexity, and more ...

SOFTWARE SKILLS

C, C++, Go, Python, JavaScript, Git, Regex, make, TDD, Testing, Clean Code, Design Paterns, UML, and more ...

INTERESTS AND EXTRA

TEACHING

I love teaching and being thought. In 2007 I started teaching at the local swimming club. I became the coordinator of 200 children and 40 teachers. I constantly improved myself by getting degrees (Lifeguard, Initiator, Instructor B). I also love to mentor people in technical subjects and believe it to be my most valuable contribution.

ELECTRONICS

As long as I remember I have been collection electronic components and devices. I currently own a big electronics lab for quick prototyping of power and precision electronics. Some day I will build a Source Measure Unit.