

Lars Bloemers

Roermond, Limburg, Netherlands

larsbloemers@gmail.com

[linkedin.com/in/lars-bloemers](https://www.linkedin.com/in/lars-bloemers)

Summary

My name is Lars Bloemers, I am an embedded software engineer from the Netherlands with a burning passion for IoT, robotics, machine learning, and embedded systems caused by a love for sci-fi media.

Experience

Embedded Software Engineer

DAF Trucks NV

Aug 2021 - Present (2 years 8 months)

As part of the Application Software group within Embedded Engineering, our scope was set to develop the software running on the trucks. Tasks would range from reviewing upper-level requirements, to writing lower-level requirements, implementing functionality, and then testing it.

However, I started to get more interested in the design aspect of the job. Especially with the additional challenge of supporting the different variants of trucks we produce. As such, I grew more into a role overseeing software design within the different applications running on our vehicle. And then implementing it together with my team.

Aside from this, I have also put a lot of energy into:

- Our new architecture, which helped us to better understand which applications run on the platform and how they are designed and how they interact with the platform (other applications, memory, busses, etc.).
- Updating our toolsuite to simplify the development process, validate our work more easily and overall automate a big part of our workload.
- Defining internship assignments and guiding them through their internships. These assignments help bring in fresh knowledge and allow us to investigate opportunities we do not have enough time for ourselves.

Embedded Software Engineer

Eindhoven University of Technology

Feb 2021 - Jul 2021 (6 months)

As a member of the Terahertz group within the electrical engineering department, my assignment was to implement the receiving end of a 5G transceiver on the FPGA part of an RF-SoC using OFDM.

Embedded Software Engineer

DAF Trucks NV

Sep 2019 - Jan 2020 (5 months)

As part of the Application Software group within Embedded Engineering, my internship assignment was to analyze the structure and propose a new structure for the legacy driveline functionality such that it would fit in better with the new ECU on which it was deployed.

Education



Fontys University of Applied Sciences

Bachelor, ICT & Technology

2017 - 2021

ICT & Technology combines the embedded and software world. It was not just about programming ECUs and Embedded Computers, there was also a big focus on the entire software development process. From interacting with stakeholders, to designing the software, to setting up an entire development pipeline.

Lyceum Schöndeln

N&T

2012 - 2017

Licenses & Certifications



IELTS Academic - IELTS Official

Skills

C++ • Python (Programming Language) • Rust (Programming Language) • Unified Modeling Language (UML) • Software Design • Software Development • Object-Oriented Programming (OOP) • Machine Learning • Realtime Programming • Microcontrollers