

Per Kerssens

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The logo consists of the word "Per" in a white, sans-serif font, centered within a dark red square.

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Date of birth: 08-09-1993

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Nationality: Dutch

Summary

Robotics/automation engineer with a high self-learning ability. Tech-savvy and eager to learn new skills. Always trying to make myself or others more productive and efficient.

Experience

Technical Advisor Intern, MoringaConnect Company Ltd. Accra, Ghana — October 2019-January 2020

As part of the minor developing cooperation, I gave technical advice on optimizing food processing machines. This was on a voluntary basis.

Robotics Engineer Intern, Zodiac Air Catering Equipment (Thailand) Ltd. Lamphun, Thailand — August 2018-February 2019

Internship as part of my Mechatronics major. Responsible for the complete design, execution and testing of an industrial welding robot solution. CMT welding by an ABB industrial robot.

Mechatronics Engineer, Delft Aerospace Rocket Engineering Delft, the Netherlands — October 2017-June 2018

Part of the Stratos III electronics team. Programming and CAD (CATIA v6) tasks.

Engineer, Zodiac Air Catering Equipment Europe B.V. Alkmaar, the Netherlands — May 2016-September 2016

Minor engineering projects and sometimes helped in the warehouse until university started. Made an automatic certificate printer system in Excel.

Mechanic and farmhand, Boola Moree, NSW Australia — April 2015-December 2015

I always wanted to have the Australian outback farm experience, so I worked on a 3500-hectare grain farm for three months. This experience gave me more knowledge about machine mechanics and how to properly maintain them.

My duties included:

- Tractor driving (various types)
- Planting with 24m wide planter, GPS included (AutoFarm)
- Frond end loader driving (Caterpillar & Komatsu)
- Fencing and property maintenance
- Vehicle and machine maintenance
- Construction and electrical work

Robotics/Automation Engineer, Aeroworks (Asia) Ltd.

Laem Chabang, Thailand — April 2014-April 2015

Aeroworks gave me the opportunity to dive into the world of industrial automation without any prior knowledge. I got supported by other engineers and started off by learning the basics. This included self-studies on SolidWorks, programming, CNC machines and robotics and a lot of trial and error. Once I started with it and learned some of the basics of engineering, it became one of my biggest passions. Because of my interest in everything that was involved in completing the projects, I was very eager to learn.

I was responsible for the start and completion of the following projects:

- Production cell that included 3 CNC machines that were controlled by a pick and place robot, one lathe and two milling machines. Universal Robot UR10. PLC: Siemens S7-200 series.
- The laminating of a carbon and glass fiber product by a robot. Pick and place, Universal Robot UR5.
- Heat treatment ovens that were loaded and unloaded by a robot. Fanuc S-420iF RJ2.

The above projects included designing a control box (with PLC) and operators' panel, programming the robot and machines, developing end of arm tooling for the robot and making sure the production cell was constantly running.

General IT - ERP implementation, Aeroworks (Asia) Ltd.

Laem Chabang, Thailand — September 2013-April 2014

I started off at Aeroworks by helping the General Manager develop a planning system in Microsoft Excel. This system needed to be 'up-to-date' at all time and be visible around the factory. When I was not working on this project, I was helping the IT manager with several IT jobs/problems or helped the planning manager with planning production orders.

Accomplishments:

- Fully up-to-date production order overview system that was displayed at every department in the factory
- Raw SQL data from an Exact Globe database was being used and processed in Microsoft Excel. The Excel file had several VBA scripts to make sure the system was always up-to-date
- The overview was displayed at every department on a television with a Raspberry Pi and a modified version of Linux (Raspbian)
- Order, Machine and MRP planning in Exact Globe

Internship Business Administration, Consultancy Wil de Groot

Warmenhuizen, the Netherlands — February 2013-June 2013

Administration and insurance office for individuals, small and medium size companies. I completed my study business administrator.

My duties included:

- Taking care of the administration of our clients
- Preparing and applying for a tax return for our clients

General warehouse hand, Driessen Aerospace Systems B.V.

Alkmaar, the Netherlands — January 2008-December 2011

Helping the warehouse manager with various jobs.

This included:

- Forklift driving
- Stock counting
- Loading and unloading trucks (including sea containers)

Education

GSG Schagen. Schagen, the Netherlands

Pre-vocational secondary education, theoretical pathway — 2006-2010

Horizon College Alkmaar. Alkmaar, the Netherlands

Intermediate vocational education business administrator — 2010-2013

The Hague University of Applied Sciences. Delft, the Netherlands

Bachelor of Science Mechatronics — 2016-current

Skills

- Microsoft Office
- SolidWorks & CATIA
- KiCAD
- Autodesk Inventor
- Programming (Python, C/C++, VBA, PLC)
- RobotStudio
- Project Engineering
- Robot Programming
- ERP & MRP (Exact Globe & ERPIn)
- Microprocessor and controllers
- Linux
- CNC programming (program logic and macros)
- Warehousing

Languages

- Dutch: native language
- English: fluent (speaking, reading, writing)
- Thai: intermediate (speaking); basic (writing, reading)

References

Available upon request.