

# Internship Vacancy

**Embedded Software:** Design, Implementation and Testing of Software of Fuel Cell System Components

## Introduction

Established in early 2017, by a group of alumni of the Forze Hydrogen Racing Team Delft, zepp.solutions is aiming to become a mayor European player in the development of hydrogen fuel cell systems for heavy duty applications.

Hydrogen can be produced from renewable energy sources such as wind or solar-power and presents a viable energy storage solution particularly for balancing the renewable energy grid. When used in our fuel cell systems, hydrogen is combined with oxygen, obtained from the ambient air surrounding the system, to transform the chemical energy stored in the fuel (hydrogen) and oxidizer (oxygen) into electrical energy. The electrical energy from this electrochemical reaction can be used to power every application.

## We offer

A challenging internship in a young and growing company together with talented and motivated colleagues. With a high level of autonomy we want to give you the freedom and opportunity to learn and grow by implementing your ideas, and give you the possibility to become an essential part of zepp.solutions.

## Responsibilities

- Analyzing component and system requirements
- Writing and testing embedded C/C++ software using industry standard methods
- Configuring hardware
- Writing interface specifications
- Designing test procedures
- Communication and collaboration with the development team
- Documentation and reporting of findings and development

## Internship description

We are looking for a team member that strengthens our team in a supportive role during the design, implementation and testing of software of embedded fuel cell system components. This includes writing and testing embedded C/C++ software, configuring hardware, designing test procedures and generating the relevant documentation. You will work closely with hardware engineers and write specifications for the interfaces. Further details of the assignment can be tailored to the applicant.

## Requirements

- Currently following a Master Programme in Computer Engineering, Embedded Systems, Electrical Engineering or similar study
- Experienced in C/C++
- Experience with embedded systems is preferred
- Fluent in English with good communication skills
- Keen on innovation

## Internship details

- Located in **Delft, The Netherlands**
- The starting date is **flexible**
- A minimum duration of **6 months**
- Availability of **40 hours** per week
- This internship **is remunerated**

## Application

You are into a challenge and find this vacancy appealing? Then we are looking forward to receive your motivation letter and CV!

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