Working Student / Student for Bachelor or Master Thesis / Internship (m/w/d)

Neumünster, Germany

Panasonic Automotive Systems Europe | as soon as possible

WHO WE ARE

Join a multinational European team with members coming from over 50 different nationalities all over the world. We believe in strong collaboration as we are convinced, that only together we can grow stronger and keep our innovative edge in the competition. Panasonic is an energetic, creative and proactive organization that consistently aims to exceed its customers’ expectations, to translate its vision into providing solutions based on ideas that will enrich people’s lives.

It's not just about what we do though, also about how we do it. We're proud of our company culture, which based on 7 key principles set out by our founder, Konosuke Matsushita.

Our aim is to help you achieve your career goals by offering attractive and individual opportunities to develop your talent. We want to offer you the chance to grow within our organization, guided by a variety of training and development measures, as well as an attractive remuneration package.

WHAT WE OFFER / POTENTIAL SUBJECTS

- Design and implementation of a tuning prediction prototype on an embedded device (Raspberry Pi) using a table-based approach from Machine Learning
- Develop a Cloud Server application for receiver system data with the programming language Go
- Develop an USB Tuner Interface PCB including schematics, BOM and layout by using the tools EAGLE and/or KiCad
• Bring-up a remote tuner device with optimized HW interface into operation, configure it and optimize the existing microcontroller software towards the new hardware interface
• Develop a new process for Software Architectural Design by using the tools Xtext, PlantUML and Eclipse
• Design and implementation of an application-specific Machine Learning framework for Reinforcement Learning on an embedded device
• Develop a code generator to generate Python bindings from a Tuner API and implement a test client in Python
• Connect a Tuner API to a webserver to make the API available as web service and in a second step develop a cross platform HMI using the UI toolkit “Flutter”

WHAT WE ARE LOOKING FOR

• Student of one of the following disciplines (or similar): Computer Science, Technical Computer Science, Information Technology, Electrical Engineering, Communication Systems, Data Science & Artificial Intelligence, Business Information Technology, Media Engineering, Microelectronic Systems
• Knowledge and experience in the required programming language
• Good communication skills
• Good English skills, German is a plus

A BETTER LIFE, A BETTER WORLD

Panasonic is one of the largest and leading electronic product manufacturers in the world. The depth and diversity of our research capabilities, manufacturing expertise, high quality and sophisticated products have remained strong since 1918. In Europe Panasonic employs more than 20,000 people.

Fairness and equality are in our DNA, and our ambition is to create inclusive environments, where people can do their best work, and their diversity is leveraged. Panasonic is an Equal Opportunity employer committed to diversity and inclusion in the workplace.

Please find more information about Panasonic as an employer at:
https://www.panasonic.com/de/corporate/karriere.html

YOUR CONTACT TO HR

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63225 Langen

Please apply at: https://recruiting.panasonic.eu/Vacancies/665/Description/2