



Internship in Embedded Software Development for Industrial Sensing Applications (6 Months)

You will be working at the ABB Corporate Research Center in Switzerland on the topic of embedded software development for industrial sensing applications. You will have the opportunity to work with state-of-the-art hardware and software systems and participate in cutting-edge research projects.

Location:	Baden-Dättwil, Aargau, Switzerland
Job Function:	Research and Development
Employment Contract Type:	Internship, Full-Time
Division/Function:	Country Staff Research & Development
Business unit:	NA
Publication ID:	CH59924572_E1

Tasks

- Design, implementation and testing of embedded software components
- Performance evaluation of software components on an embedded hardware platform
- Contribution to research projects
- Write technical documentation of software components

Requirements

- Experience in software development in the following areas:
 - Low-level embedded software development (C/C++)
 - High level languages (e.g. Matlab, Python, Java)
- Experience with development of web applications (JavaScript, HTML, CSS)
- Knowledge about any of the following topics, languages or tools is a strong plus:
 - FPGA development (VHDL/Verilog), Xilinx Zynq platform and Vivado tools
 - Digital signal processing
 - Linux OS
 - Networking protocols (TCP/IP, HTTP)
 - Version control system (Git, SVN)
- English language, written and spoken

- BSc or MSc Student – with official enrollment documents

Additional Information

ABB is able to offer you an interesting role within a highly motivated team, together with open communication structures. On the basis of a personal, practice-oriented introduction program, you will be given the opportunity to acquire the confidence needed to work independently as well as be a constructive member of an inclusive team within your assigned area.

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Interested in joining our team? If so, we look forward to receiving your full application (motivation letter, CV, references) only via our online careers tool. A better world begins with you at www.abb.com/careers

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ABB Corporate Research, in close collaboration with varied ABB business areas, is developing the foundations for the next generation of ABB products. In Switzerland, ABB Corporate Research, located in the proximity of Zurich, employs 220 scientists from over 40 countries with expertise in automation and power technologies for manufacturing, consumer and process industries as well as power utilities.

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Your legacy.