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As a Master student in attocube's R&D department you are directly involved in the development of new products at our new location next to the S-Bahn station Haar. Most of today's attocube devices are equipped with an embedded Linux system including a simple web application for configuration. Existing applications are to be analyzed for familiarization and subsequently expanded with additional functionality. The evaluation of the latest technologies, tools and frameworks is part of your work.

Master Thesis Web Application Development Frontend/Backend

In addition a new product family is currently being developed which should also be equipped with a web application. Extended functionalities such as charting components, downloading logging data, etc. are also to be implemented here. Besides of the direct connection to the device a stand-alone display with Embedded Linux is to be integrated into the housing. The operation and interface has to be implemented completely via the web application. So aside from programming the main application, the validation of the display concept and the subsequent implementation are thus one of your tasks.

Your responsibilities

- Creating and extending device-specific web applications
- Set-up of a suitable development environment with prior evaluation of various technologies, tools and frameworks
- Development and validation of a concept for a freely integrable and independently running display using web technologies

Your skills

- Registered student in computer science, electrical engineering and information technology, network and communication technology, media technology and design, or similar.
- Very good knowledge of web technologies (HTML5, CSS, JavaScript) and corresponding tools, libraries and frameworks such as Angular, jQuery, Less, etc.
- Independent and structured way of working

Would you like to gain insight into the R&D department of a growing company and be directly involved in the development of new products?

If so we look forward to receiving your application by using our [Online Application Form](#).