**Category**
Select one or more of the listed categories that match with the intern position:
Product Design  -  Industrial Design  -  Engineering  -  Interaction Design  -  System Design

**Location of the internship**
Eindhoven, The Netherlands

**Internship period**
February – June 2017

**Application deadline**
19 January 2017

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**DETAILS**

LEDbits is a modular toolkit for designing LED lighting. See [www.ledbits.eu](http://www.ledbits.eu) and [https://youtu.be/Nl6q,-e7l0I](https://youtu.be/Nl6q,-e7l0I). The goal of the toolkit is to empower people to be creative with LED technology. The toolkit unites all relevant types of technologies for working with LED: LED modules with different shades of white, lens modules that help shape the light beam and control modules that vary from a simple switch to an interface to Arduino. The combination of all these technologies in one toolkit, and the possibility to mix-and-match them all in a plug-and-play manner is unique to this day.

We are refocussing the LEDbits portfolio to fit better to the professional designer and the ‘maker’ community. One step in this process is to develop the interaction side more, to give people more possibilities to create interactive or intelligent luminaires. The assignment for the intern is to develop a range of interaction modules, that enable the light to respond to presence, gestures, online data, etc. The big challenge is to keep the modules simple in use. Next to that, it is important to keep in mind that product costs should not remain acceptable. We will of course help with these considerations. The intern is also expected to occasionally contribute to running business related to the LEDbits project, as part of the team.

Student's responsibilities
The responsibility is to take up the aforementioned challenge in a proactive and self-driven way. High quality prototypes should be delivered in the end, along with documentation that allows further development into a production ready version.

The company is offering
A nice opportunity to work on an innovative product platform. Next to that you’ll see from nearby the daily work of two design professionals who also run their own studio.

Qualification / Skills
Prototyping skills, electronics skills, programming skills and, last but not least, design skills are required. The student should be proactive and able to work independently.

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**CONTACT**

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**How to apply**
Please e-mail a brief motivation and portfolio.

**Opportunities after the internship (when applicable)**

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**Internship vacancy form**
Department of Industrial Design

Send this form to: M.M.L.H. Heuvelings // ID.internshipcoordinator@tue.nl
Signature

Internship vacancy form
Department of Industrial Design

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