



# Full-stack web development internship – multi-simulation reports

Simbeyond accelerates development of advanced materials and high-tech devices as used in state-of-the-art display, lighting and signage applications. We provide unprecedented software tools for the development of organic electronic devices, such as OLEDs, that replaces a large part of the costly and time-consuming experimental efforts with computer simulations. The unique approach provided allows our customers to analyze, predict and improve device performance. This leads to a shorter time-to-market and to reduced R&D costs for the electronic devices of today and tomorrow.

## Your tasks:

Simbeyond is offering you an Internship in the field of full-stack web development. The project involves extending Bumblebee, our web interface that allows users to prepare and specify virtual experiments, and start dozens of simulations directly from the browser. You will be focusing on both the front-end and the back-end of the application. The goal is enabling users to compare multiple simulation results in the form of reports with graphs. The project could include the following tasks:

- Designing and implementing a user-friendly solution for comparing multiple simulations using reports with graphs.
- Ensuring that the solution is integrated flawlessly with the existing front- and back-end. It should conform with the existing look and feel of the Bumblebee web interface. Additionally, the UX design should be centered around maximizing the efficiency of the user.
- Writing automated tests for the new solution and developing (Gitlab) CI integration.
- Writing (interactive) documentation and tutorials to get users familiar with the component.

## Your background:

You are pursuing a bachelor in Computer Science or related field at HBO level (or higher) and have affinity with web development and cloud computing. We expect you to have basic knowledge and experience with Linux, Python, JavaScript and VCS, and willingness to learn Ruby on Rails and Git. Experience with cloud services (such as Google Compute Engine and Amazon Web Services) is a plus. Flexibility, excellent organizational and communication skills are required, as well as a quality mindset and good problem solving skills. You should be fluent in English, both in written and verbal form.

## Our offer:

We offer you an exciting opportunity to join a young and dynamic start-up company in Eindhoven, the Brainport of The Netherlands. You will work in a team of driven professionals with various backgrounds and have the opportunity to gain real-life



experience with other topics like web development, cloud computing and cybersecurity. Our informal company culture gives ample opportunity for both personal and professional development. At the same time, you will be helping to shape our fast growing business. Are you the new team member we are looking for? Send your CV, list of marks and motivation letter to [jobs@simbeyond.com](mailto:jobs@simbeyond.com). For more information, visit [simbeyond.com](http://simbeyond.com).