

If you've ever seen a rocket launch, flown on an airplane, driven a car, used a computer, touched a mobile device, crossed a bridge, or put on wearable technology, chances are you've used a product where ANSYS software played a critical role in its creation. ANSYS is the global leader in engineering simulation. We help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges and engineer products limited only by imagination. Join our nearly 4000 professionals in more than 75 strategic locations around the world in making a difference in the world of engineering simulation and product development. Visit www.ansys.com for more information.

For our team in **Ismaning/Munich** we are currently seeking a highly motivated person interested in a challenging work as

Working Student (m/f/d) Application Engineering

RESPONSIBILITIES

- Assist the testing and validation of automotive camera and LIDAR sensors under real and virtual conditions by using ANSYS SPEOS physics based simulation
- Support the development of the testing and validation process for aligning our physics-based sensor model development with real test runs executed in the rain lab of CARISSMA at the Technische Hochschule Ingolstadt
- Analyze sensor measurement data under rain and fog weather conditions
- Create the 3D model to be used for the virtual validation of tests, including the definition of materials and geometries using ANSYS geometrical editors
- Perform static (ANSYS SPEOS) and dynamic (ANSYS VRXPERIENCE) simulations to extract virtual sensor data
- Support the development of a verification methodology and model validation for correlating real and virtual measurements

MINIMUM QUALIFICATIONS

- Enrolled in a University degree program in the field of natural sciences, computer science or engineering
- Knowledge in CAD model development (ANSYS SPEOS experience would be an advantage)
- Good understanding of Light / Material Interaction (photoelectric effect)
- Knowledge of illumination technologies and photometric measurements
- Knowledge of optical light simulations and concept definitions
- Fluency in English

PREFERRED QUALIFICATIONS

- Experience with C++ and Python is beneficiary
- Ability to take initiative, behave with integrity and respond maturely to direction
- Ability to meet timelines
- Ability to work in a geographically distributed development environment and requires excellent communication skills
- Fluency in German or French

CULTURE AND VALUES

Culture and values are incredibly important to ANSYS. They inform us of who we are, of how we act. Values aren't posters hanging on a wall or about trite or glib slogans. They aren't about rules and regulations. They can't just be handed down the organization. They are shared beliefs – guideposts that we all follow when we're facing a challenge or a decision. Our values tell us how we live our lives; how we approach our jobs. Our values are crucial for fostering a culture of winning for our company:

- Customer focus
- Results and Accountability
- Innovation
- Transparency and Integrity
- Mastery
- Inclusiveness
- Sense of urgency
- Collaboration and Teamwork

ANSYS does not accept unsolicited referrals for vacancies, and any unsolicited referral will become the property of ANSYS. Upon hire, no fee will be owed to the agency, person or entity.

If you are interested in this position, we are looking forward receiving your application including your earliest possible starting date. Please apply through our online tool <https://jobs.ansys.com>.

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