

stryker

Entdecker
Innovationstreiber
Spitzenkollege
Lebensretter

Master Thesis in the field of interactive systems in navigated cranial neurosurgery

Research & Development • Freiburg • starting August/ September 2023 • 6 months

Dein Talent – unsere Leidenschaft als Toparbeitgeber in der Medizintechnik



51.000 + Mitarbeiter



12.100 Patente



\$ 18,4 Mrd. Umsatz



Vielfältige Perspektiven und
Entwicklungsmöglichkeiten



Flexible
Arbeitszeitmodelle



Einzigartige und
engagierte Teamkollegen

Our offer to you

- We offer a master thesis/practical semester on the topic "Interactive Guidance for Navigated Cranial Surgery" for WS 2023/24.
- You will have the opportunity to develop prototypes for our surgical navigation system and support our team with your proof-of-concept application.
- You will be an active member of our international and interdisciplinary Research & Development team.
- You will implement your solution using C++ or Python and Matlab and evaluate it in an eco-system consisting of state-of-the-art navigation and imaging systems.
- You will get to know and apply the latest technologies from the fields of machine vision, computer graphics, human-computer interaction and interactive systems.
- You will conduct independent research in the operating room environment to find out how innovative ideas can be applied in a value-adding way.

What makes you stand out

- You are studying computer science, medical engineering, mathematics, physics or a comparable course of study in your master's degree.
- You have experience with test setups and object-oriented programming languages (e.g. C/C++), scripting languages (e.g. Python, Matlab), or libraries (OpenCV, VTK, Qt, DCMTK).
- You have a good understanding of mathematics.
- You want to deal with challenging tasks in the field of medical engineering.
- You are known among friends and fellow students for your initiative and flexibility.
- You have a good command of English.
- An independent way of working, a high degree of motivation and commitment as well as the willingness to quickly take on responsibility characterize you.

We look forward to receiving your online application via our career portal via the reference number R492941.



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Jetzt bewerben!

