

# FIDENTIS IDP

## Geometry manipulation & feature detection

### Qualifications:

- Highly motivated team of 1–5 students
- Informatic Studies
- 3 months full-time or 6 months part-time
- Eager to work in a fast-paced start-up

### Who is FIDENTIS?

- Med-tech start-up from Munich area
- Young team & you'll work with the CTO
- 3D printing of high-end dentures
- [www.fidentis.de](http://www.fidentis.de)

### Application & Questions:

- Start between 01.03.25 and 01.04.25
- We will have regular check-ins
- Share CV or LinkedIn of all team members
- tell us in 5 sentences why you are the best team for this IDP (German or English)
- [career@fidentis.de](mailto:career@fidentis.de)

### Goal of the IDP:

FIDENTIS is developing the future of **additive manufacturing** for dental technology! In addition to high-precision **multi-material production** using 3D printing, we rely on a smart, fully automated data pipeline to produce **patient-specific prostheses** efficiently and error-free.

You will work directly on our **Python-based platform** and develop algorithms that **manipulate**, **analyse** and **visualise digital geometries**. This involves highly individualised and medically relevant **production data** that must be perfectly prepared in our **automated** workflow.

### 📌 Topic: Geometry manipulation & feature recognition in Python

- ✓ Automatic recognition of relevant features in 3D geometries
- ✓ Adaptation of geometries for error-free production
- ✓ Development of a visualisation for manual final inspection

