



Ingenieurpraxis (EI)

9 weeks (12 ECTS)

Get in touch with speech interface based on open source hardware and modern Natural Language Processing frameworks

Develop ALEXA for hospitals

You will develop a speech interface for patients in hospitals based on an open-hardware platform. Your speech-to-text translation will generate patient requests and send them to the existing backend of our nurse software. You will:

- Develop on the "ReSpeaker" hardware (<http://iot.seeed.cc/>)
- Implement a state-of-the-art offline natural language classifier
- Connect the solution to our web backend (NodeJS)

What we are looking for:

- Someone who is driven to solve the problems in nursing together with us
- Knowledge in programming (C, C++, Python OR JavaScript)
- Basic knowledge with microcontrollers (Arduino, spark OR RaspberryPi)

Support

Our team has wide experience in hardware development and will guide and support you along the way from concept to prototyping to testing.

Fun & Convenience

Our office is at the TUM Stammegelande, right in the center of the city. We are a young and passionate team and you are welcome to join all our team events.

Real impact

You'll develop a product that helps patients and nurses in hospitals communicate more efficiently and has the potential to be used by thousands of users.

Lab

You'll work in our lab with access to various electronics, 3D printers, CAD machines, PCB production and test equipment.



About Cliniserve

More than 50 % of hospitals costs go to personnel and the biggest part of that to nursing, meaning that optimizing the utilisation of nursing personnel is one of the most important levers for managing hospital competitiveness. We have developed a hospital logistics platform that is centered around the patient's needs, allowing optimization of personnel to fulfill the needs. Our system generates unique data about the demand of patient service (both medical and hospitality), allowing hospitals to optimize the utilisation of their nursing and service personnel.

Our first product is a digital patient service platform that automates information delivery and delegation in hospitals. It also generates valuable insights and allows process optimization. Our first customers include big clinics like LMU's Klinikum Großhadern, as well as Helios, Sana and Schön clinics.

We are an international team of three LMU & TUM EE, IT, Business and Econ graduates with experience from CDTM, UC Berkeley and Georgia Tech. We are passionate about solving a major problem of our generation, nurse shortage and building a great company on the way.

quirin@cliniserve.de
www.cliniserve.de

