Student Assistant: Software Development Image Processing Pipeline

Application deadline: September 9, 2019
Contact: sms@informatik.uni-kiel.de

For the further development of our Image Processing Pipeline MorphoCut we are looking for a student assistant (m/f/d) in software development.

GEOMAR Helmholtz Centre for Ocean Research Kiel is a world-wide leading institute of marine research. The Multimedia Information Processing group at the CAU deals with image processing, 3D scene reconstruction, rendering, among other things in the field of marine research.

Are you enrolled in a Bachelor's or Master's program at Kiel University, do you work in a structured way and enjoy programming and developing software?

We offer a position as student assistant for up to 80h monthly for three months starting October 1st.

Your responsibilities

• Unit tests for the existing library
• Documentation and application examples
• Extension of the web application (frontend, interfaces, backend, database) with modern technologies
• Creation of a Docker image for the application
• Implementation of existing image processing algorithms in the application

Prerequisites

• Enrolled in Computer Science or the like at Kiel University
• Experience with Python, JavaScript and Linux
• Interest in image processing and web development
• Independent and structured way of working
• English language skills
• Ability to work in an interdisciplinary team

We offer you

• Practical experience in planning and developing applications of medium complexity
• Insight into image processing in the context of Marine Sciences
• Possible Bachelor's / Master's thesis topic