Seminar: Current Topics in Computer Science

Course Description

This seminar is an opportunity for students to deepen the broad knowledge they will have gained over the previous four semesters of the study program. Students will choose a topic of specific individual interest that is connected to a sub-discipline of computer science. If a student, for example, is interested in the application of artificial intelligence in a specific context, elaborating context-specific use cases from a literature review can be the theme of the essay. Feedback provided by the tutor will help students strengthen any weaknesses they may have in scientific writing and academic work and prepare students for writing their bachelor thesis.

Contents

▪ Computer science is a broad subject area with many very different facets, depending on the

specific sub-discipline. This seminar will address this diversity by taking up current trends in the context of individually-prepared texts. Each participant must create an essay for this purpose. Possible topics include Java and web development, data modeling and database systems, requirements engineering, and core computer science disciplines like operating systems, computer networks, distributed systems, algorithms, data structures, and programming languages.