

Bachelor Thesis Registration



TECHNISCHE
HOCHSCHULE
LÜBECK



Student name

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Thesis Type

Internal

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TBD

Thesis topic

"Web Development of a Virtual DotA 2 Pre-Game Assistant using Statistical Intelligence"

Task description

Description:

"Gone are the days when E-sports was purely based on extra-ordinary skills and passion. Especially the so called Multiplayer Online Battle Arena (MOBA) games that often pitch teams of five against one-another require a level of strategic thinking and precise tactical execution that can only be achieved through continuous practice and the assistance of a subject matter expert, often a full time coach, to find the most critical issues to improve upon.

This thesis details the development of a Web Application that attempts to provide the reflective, pre-game assistance such a coach could offer at an intermediate level, by statistically analyzing previously recorded match data and, intelligently, make (a) strategic recommendation(s)."

Tasks:

- *Collection and/or gathering of DotA 2 (MOBA) match data*
- *Analyze the data with the help of statistical intelligence*
- *Develop a Web Application that visually highlights the meaningful components of the collected data set*
- *Offer a coach-like pre-game strategic recommendation*