Student Worker for Web Development & Interface Design

About Us

The Chair of Software Engineering conducts cutting-edge research and provides engaging instruction in software engineering, with a specific emphasis on software quality, human factors, AI-supported engineering, and empirical studies, especially for the domains of automotive software and AI-based software. We do research with high practical relevance, often in collaboration with companies with the aim of improving the way we make software. We are part of the TUM Campus Heilbronn, integrated into the campus of the Dieter-Schwarz Foundation in one of the most innovative regions in Germany.

Requirements

Mandatory

- Current enrollment in a German university
- Proficiency in at least one common programming language (JavaScript, PHP, or similar)
- Basic UI development skills
- Familiarity with API-based AI applications
- Good command of the English language

Nice to have

- Experience in JavaScript web development (React, Angular, or similar)
- Experience in developing frontends for AI applications

Tasks

We are offering a position as a working student in frontend web development for a large language model (LLM) based AI project. Your primary task will be to develop a user interface for an AI-based application for teaching novice programmers. You will be responsible for:

- Developing or extending a JavaScript-based user interface
- Designing and implementing user interactions with LLMs
- Optimizing the user interface for fast loading times and smooth user interactions, especially when handling complex AI outputs

What We Offer

- Opportunity to be part of a small development team working on cutting-edge AI applications
- Compensation in accordance with tariff or salary regulations
  - 13.25 € per hour without a bachelor's degree
  - 15.00 € per hour with a bachelor's degree
  - Up to 13 hours per week
- The position is available as soon as possible, initial contract for 6 months, with the possibility of extension.

As part of your application for a position at the Technical University of Munich (TUM), you will provide personal data. Please refer to our data protection notice in accordance with Article 13 of the General Data Protection Regulation (GDPR) regarding the collection and processing of personal data during the application process: https://portal.mytum.de/kompass/datenschutz/Bewerbung/. By submitting your application, you confirm that you have read and acknowledged TUM's data protection notice.

TUM aims to increase the proportion of women in its workforce; therefore, applications from women are explicitly encouraged.

Application

We look forward to receiving your detailed application documents. Please send them via email to marvin.munoz-baron@tum.de or umme.habiba@tum.de.

Chair of Software Engineering

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