Practical Course NLP-based Software Engineering – SEBA Lab: Preliminary Discussion

Phillip Schneider, Zoom, 3rd of February, 2023

Chair of Software Engineering for Business Information Systems (sebis)
Department of Computer Science
School of Computation, Information and Technology (CIT)
Technical University of Munich (TUM)
wwwmatthes.in.tum.de
Overview of Course

Goals of the SEBA Lab Course (NLP)
- Deepen your knowledge in NLP and Software Engineering
- Get practical experience in NLP-based application development
- Get familiar with new technologies such as ML frameworks, NoSQL databases, etc.
- Participate in current research projects at sebis

Focus of this Year’s Course
- Conversational Artificial Intelligence & Dialogue Systems
- Agent domains: health, science, encyclopedic knowledge, software engineering, …

Organization*

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Room</th>
<th>Topic</th>
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<tr>
<td>17.04.2023</td>
<td>14:00-15:30</td>
<td>Zoom</td>
<td>Kick-Off Lecture (Jochen Emig) and Project Proposals</td>
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<tr>
<td>25.04.2023</td>
<td>10:00-11:30</td>
<td>Zoom</td>
<td>Foundations of Conversational AI</td>
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<tr>
<td>24.05.2023</td>
<td>14:00-17:00</td>
<td>01.12.035, Seminarraum (5612.01.035)</td>
<td>Intermediate Presentations</td>
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<tr>
<td>19.07.2023</td>
<td>14:00-17:00</td>
<td>01.12.035, Seminarraum (5612.01.035)</td>
<td>Final Presentations</td>
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*Dates not 100% final. Finalized dates will be published on the course page within the next 2 weeks.
Overview of Course

General Information
- Only for Master’s students
- Solid programming skills required and first NLP experience
- 24 students will be accepted
- 10 ECTS / 6 SWS
- Registration in the Matching-System between **09.02. – 14.02.2023**
  - [https://matching.in.tum.de/](https://matching.in.tum.de/)

Further Information
- Find latest information on the course:
  - [https://wwwmatthes.in.tum.de/pages/l9f4rm9y0cbe/SEBA-Lab-Course-NLP](https://wwwmatthes.in.tum.de/pages/l9f4rm9y0cbe/SEBA-Lab-Course-NLP)

Examination
- Presentations are planned to happen in presence
- Presentation of team results in two sessions (intermediate and final presentation)
- Final application with the source code
- Retrospective slides deck
  - Key learnings by each team member
  - Contribution matrix
For successful completion of the course, both examination modules have to be passed!
Visit Course Page for Latest Updates

https://www.matthes.in.tum.de/pages/l9f4rm9y0cbe/
SEBA-Lab-Course-NLP
Kick-Off Lecture

Jochen Emig
Founder and CEO of ONSEI
Important Next Steps

Registration 09.02. – 14.02.2023
- Register in the Matching-System (https://matching.in.tum.de/) with your TUMonline ID. There will be two instances: one for seminars, one for lab courses. Enter your course preferences.

Application until 14.02.2023
- Send your CV and transcript of records to: phillip.schneider@tum.de

Stay Updated
- https://www.matthes.in.tum.de/pages/l9f4rm9y0cbe/SEBA-Lab-Course-NLP
Phillip Schneider
Research Associate

Technical University of Munich (TUM)
TUM School of CIT
Department of Computer Science (CS)
Chair of Software Engineering for Business Information Systems (sebis)

Boltzmannstraße 3
85748 Garching bei München

+49.89.289.

www.matthes.in.tum.de