



**iPraktikum**  
WS25/26 | 30th Edition

# Info Meeting



**Stephan**



**Patrick**



**Matthias**









# Who are we?



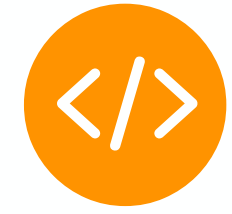
Stephan Krusche



Head of the Research Group



Family, Sports and Comedy



Agile Leader and Mentor



Research Areas

- Applied Education Technologies
- GenAI based Software Engineering
- Human Computer Interaction





# Who are we?



Patrick Bassner



Doctoral Student at AET/TUM



Dancer and Educator



Software Engineer and AI Researcher



Research Areas:

- Generative AI in Higher Education
- Intelligent Tutoring Systems
- Educational Technologies





# Who are we?



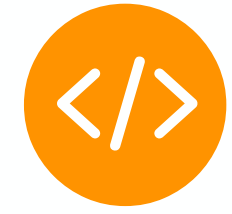
Matthias Linhuber



Doctoral Student at AET/TUM



Educator at heart



Software and Infrastructure Architect



Research Areas

- Container-based Software Engineering
- Infrastructure Orchestration
- Scaling Education Technology





# Why join the iPraktikum?



Real clients



Real projects



Real problems



Real deadlines



Real data



Real delivery



Real teamwork



Real impact

This is a **challenging**, but **rewarding** course!

# Our philosophy

***“Tell me and I will forget.  
Show me and I will remember.  
Involve me and I will understand.  
Step back and I will act.”***

**(Chinese Proverb)**

# In this course, you will...



**... develop a system in a mobile context for the iOS platform**

This can include application servers, sensors, wearables, micro-controllers, etc.



**... gain experience in an agile software project**

Plan, design, implement, test, deliver using GitLab, Confluence, Slack, Testflight



**... regularly deliver your apps to the customer and users**

Understand, prioritize, and implement feedback from customers and end users



**... improve your soft skills and learn to talk about your work**

Hold presentations, tell a story about your project in an engaging live demo



# Our expectations



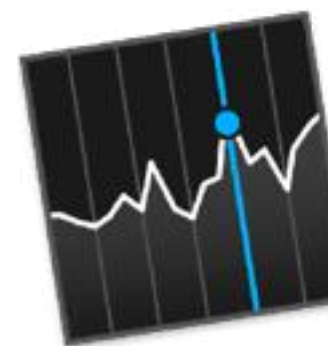
**Knowledge in OO programming languages and paradigms, Dev Tools**  
Git, Swift, Java, C++, C#, ...



**Basic skills in Modeling and Software Architecture**  
You understand e.g. UML Class and Component Diagrams



**Willingness to work in a team**  
Real team work as well as communication with the customer



**High motivation and flexibility**  
Challenging tasks require attention and commitment beyond a normal lecture  
This course is worth 10 ECTS, plan your time accordingly



# Schedule



## **Intro Course: October 6 - 14**

Intensive on-site course before the beginning of the Praktikum  
Introduction to Xcode, Swift, SwiftUI, Git...



## **Kickoff: October 16, 17:00**

All customers present their problem statements



## **Design Review: December 11, 17:00**

Intermediate presentation of all projects with live demos and a buffet



## **Client Acceptance Test: February 5, 17:00**

Final presentations of all projects with live demos and a buffet

**In-person attendance  
is compulsory.  
No excuses.**

Please make sure you  
can attend  
**all sessions full time**  
(exception: repeat  
exams)



BMW



Maximilian Anzinger  
Project Leader

Alexander Fleckner

Nerk Stockhausen

Polina Ullrich

Casper du Jardin Kajer



Josef Schmid  
Coach

Thomas Biedermann

Lucas Brand

Anastasia Varsachagina



Matthias Oberhauser  
Customer



Manish Mishra  
Customer

Schwarz IT



Philipp Nagy  
Project Leader

Ashjeet Sutar

Manuel Pioner

Simon Granber

Sophie Kutter



Anastasia Iakovleva  
Coach

Leon Liang

Marcos Oliva Kozmarek

Simon Winter



Benjamin Mannich  
Customer



Felix Sano  
Customer

Siemens



Patrick Bosner  
Project Leader

Senen Aslan

Jennis Hlfortin

Catherine Liang

Jennifer Wagner



Fangxing Lu  
Coach

Maia Filip

Nayer Kotry

Vasily Sizykh



Jochen Nicklas  
Customer



Dr. Jan Philip Bernius  
Customer

# iPraktikum SS 25

TUM IL3



Felix Dietrich  
Project Leader

Sofia Koufopasou Loukianova

Pust Sakben

Gabriel Salasie



Armina Shabs  
Coach

Stefan Schmal

Mert Karamiz

Oscar Herle



Silvia Hagh  
Customer



Patrick Lenz  
Customer



Stephan Krusche  
Project Leader

Patrick Bassner

Matthias Linhuber

Maximilian Rapp

Mathilde Hagi

Program  
Management

Polizei



Elisabeth Priesinger  
Project Leader

Brian Verik

Sarah Niggl

Matteo Merz

Leon Reichter



Yasmine Souissi  
Coach

Manuel Grabmayer

Simon Seehausen

David Unterlinner



Matthias Niesner  
Customer



Mathias Krierr  
Customer

Quartett



Ramona Eckert  
Project Leader

Akin Azel

Karl Freund

Sven Herakem



Jonathan Parth  
Coach

Erin Karckus

Ming Hai Nguyen

Wen-Ting Chen



Leon von Tippelskirch  
Customer



Nityananda Zhi  
Customer



Patrick Bosner  
Project Leader

Senen Aslan

Jennis Hlfortin

Catherine Liang

Jennifer Wagner



Fangxing Lu  
Coach

Maia Filip

Nayer Kotry

Vasily Sizykh



Jochen Nicklas  
Customer



Dr. Jan Philip Bernius  
Customer

IABG



Matthias Linhuber  
Project Leader

Catalina Schultz

Kevin Gruber

Sabrina Glatz



Ali Taha  
Coach

Deniz Bildbay

Lukas Kretzel

Troy Rivers Volkson



Martin Giss  
Customer



Lavonia Calk  
Customer

EON

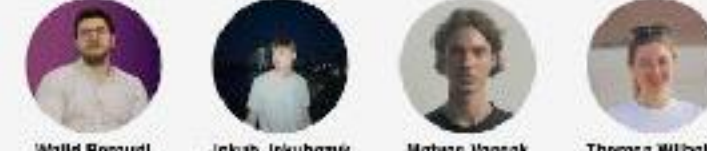


Tobias Wanner  
Project Leader

Arind Ismail

Konstantin Clarke

Ping-Yu Huang



Walid Baroudi  
Coach

Jakob Jakubczyk

Matyas Vascek

Theresa Wilhelm



Carl-Hendrik Holthaus  
Customer



Christian Kemper  
Customer

Admins



Robert Jendow  
Project Leader

Magnus Kuehne

Ignacio Garcia

Timur Morrien

Benjamin Schmitz

Sascha Bachner

Leopold Thomas

Marlon Wachsmuth

Tutors



Ali Taha  
Project Leader

Anastasia Iakovleva

Anwar Schikyer

Armanpreet Ghotra

Jakob Körber

Liam Berger

Lisa Schulze-Bergheimer

Valentin Gräner

Xhuliu Jaximi



Project Lead (PhD Student)

Siemens

SIEMENS



**Patrick Bassner**  
Project Leader



**Senan Aslan**



**Jannis Höferlin**



**Catherine Liang**



**Jennifer Wagner**



**Jochen Nickles**  
Customer



**Fangxing Liu**  
Coach



**Maia Filip**



**Nayer Kotry**



**Vasily Sizykh**



**Dr. Jan Philip Bernius**  
Customer

Team Coach

Developer (Potentially You 😊)

Customer



















# Application

1

Fill out the **application form** linked on [ase.cit.tum.de/ios](https://ase.cit.tum.de/ios) **Latest:**  
**July 22, 23:59 (Munich time)**

2

**Complete a small technical challenge** on [Artemis](#)  
(self-register for the course *iPraktikum Technical Challenge SS25*)  
**Latest: July 22, 23:59 (Munich time)**

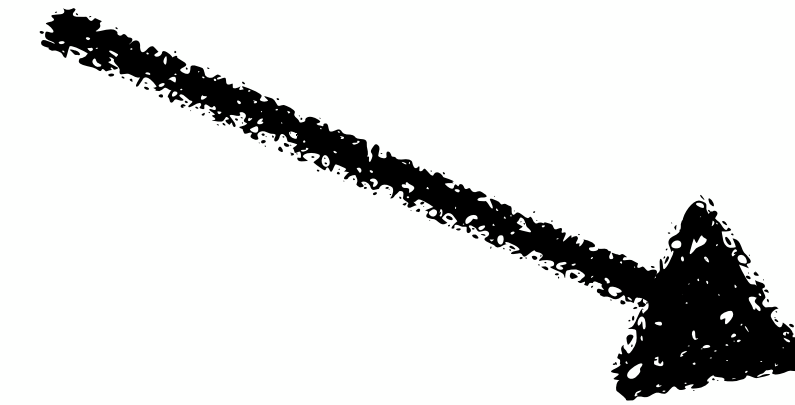
3

Prioritize **iPraktikum** in the [matching system](#)  
**Latest: July 22, 23:30 (Munich time)**



# Further information

- Check our website: [aet.cit.tum.de/ios](https://aet.cit.tum.de/ios)
- Get an impression of the projects
- Come to the **Client Acceptance Test**  
**July 23, 17:00, Friedrich L. Bauer Hörsaal**
- Talk to the participants and customers
- Watch the recordings of previous terms [on our website](#)
- For all other questions write an email to [ios@in.tum.de](mailto:ios@in.tum.de)





# Interested in further news?

We will share news about the iPraktikum and related courses in our newsletter!

Scan the code below to subscribe!





A large group of people, mostly young adults, are gathered in a modern, brightly lit hall with a dark tiled floor and rows of wooden tables and benches. Many of the people have their hands raised in the air, suggesting a celebratory or enthusiastic gathering. The group is diverse in age and appearance, and they are all looking towards the camera. The background shows the hall's architecture, including large windows and pillars.

# Questions?

[ios@in.tum.de](mailto:ios@in.tum.de)