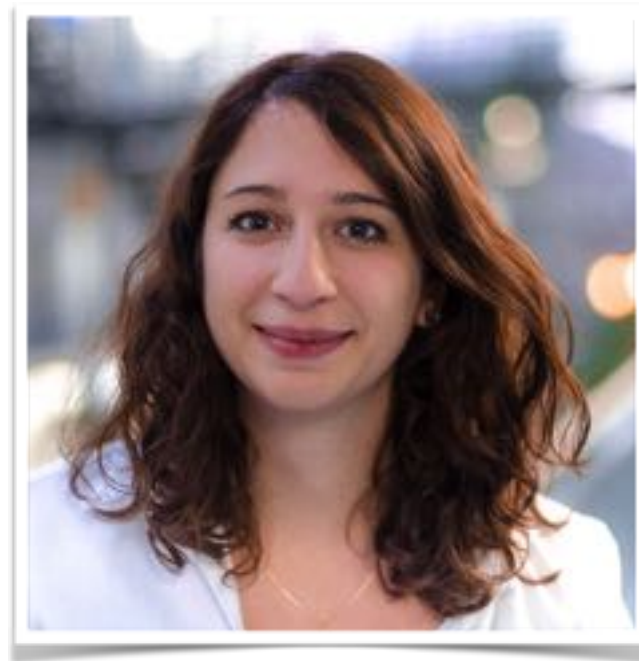




Proseminar/Seminar Teaching iOS

Summer Semester 2017 - Info Meeting



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Goals

- Participate as tutor in the introduction courses for the iPraktikum (large-scale practical course)
- Learn how to teach Swift and concepts of advanced Software Engineering to students with varying knowledge
- Deepen your knowledge in iOS development
- Have fun :-)



A typical day in the intro course

This could be you!



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)

Prerequisites

- You are familiar with the concept of object oriented languages
- You have experience in iOS development
 - Good knowledge in Swift
 - Experience with Objective-C is a plus
- You are highly motivated to take this course

Course Schedule

- Course duration: **April 19-27** (Session: April 19-21, 24)
- We hold different kinds of sessions
 - Instructors: 6 sessions about **Swift, Xcode and iOS development**
 - Instructors: 2 sessions about **Workflow Topics** (e.g. Branch Management)
 - Tutors: 3 sessions about **advanced topics**
- We keep the Rechnerhalle open 8:00-20:00 for people to complete their exercises

Style of the sessions

90 min hands-on presentation

- Students immediately exercise the learned concepts in small examples
- A solution is provided

30 min exercise

- Summarizes the content of the whole presentation
- The students have to solve it on their own
- You correct the exercise solutions and give feedback to the students

What we expect during the course

- You help run the intro course
 - You attend all the sessions
 - You support the participants by answering their questions
 - You correct the exercise solutions of a group of “your” students
 - You take turns being present during lab times (8:00-20:00, excl. Sunday)
- You deliver your own session
 - You prepare an own extraordinary presentation & exercise
 - You present the topic in front of all students

Sessions

Instructor topics

- Swift: Intro, Intermediate, Advanced
- Your First iOS App
- Storyboarding
- Model View Controller
- Branch Management

Possible topics for tutors

- UI Design
- Server-Side Swift
- Paradigms in Swift
- ... (your ideas)

Milestones

- **Mid-March:** structure of your presentation
- **Beginning of April:** presentation and exercise
- **Week of April 10-13:** you do a dry run and get feedback
- **April 18:** final slides and exercise

How we grade

- Presentation (40%)
- Support (30%)
- Exercise correction (30%)

Registration process

1

Express your intention by filling out the form at www1.in.tum.de/teaching (-> Teaching iOS)

Latest: TOMORROW, January 31 (end of the day)

2

We invite you to a personal interview on February 06 or 07

Latest: February 03 (end of the day)

3

After we have accepted you, prioritize the Seminar/Proseminar “Teaching iOS” in the department’s matching system

Latest: February 08

Questions?

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