



Interdisciplinary Projects for Informatics (IDP)

Artemis seeks to provide educational publishers with a complete solution to revolutionise the blended learning experience by leveraging the power of AI and AR.

WHY WE NEED YOU

Artemis' products are currently interacting with our books via classic image detection; however, our offer is expanding. The IDP student(s) will help in developing a ML pipeline, that is able to detect and classify text-only book pages. The code is implemented on Android (Java/Kotlin, Kotlin preferred) and soon be ported to iOS(Swift) as well, therefore tasks exist for both platforms.

These include:

- Implementation of ML methods for classification problems
- Speed and accuracy comparison of OCR solutions from Google Cloud, MLKit and CoreML.
- Porting the ML pipeline from Android to iOS
- Development of a message passing interface between Unity game engine and the Android/iOS ML pipeline.

WHAT WE OFFER

- Flexibility in terms of working schedule. Work from our office at the TUM Start-up incubator in Garching or remotely.
- The chance to learn and work with state-of-the-art technology. An introduction to the niche of game development.
- The opportunity to apply your theoretical knowledge to a real-world codebase. Active role in architectural decisions, pattern usage, algorithm choices.
- Code reviews and mentoring from the CTO

YOUR PROFILE

- Someone who is responsible, proactive, able to deliver individual work and asks the right questions.
- ML knowledge and implementation experience.
- Ability to self-study and come with a solution for the task at hand.
- Basic knowledge of Java, Kotlin or Swift

Big Pluses:

- o Experience with mobile platform software development
- o Worked with a game engine before.
- o Portfolio of ML projects/ past experience in the field.

Language Required: English | Apply either as an individual or group of 2-5 students

Start date: 21.11.2022 or ASAP | Duration: 3 months Full-time or 6 months Part-time

If you are interested send us an email with your CV at

✉ contact@artemisar.de