

Bachelor / Master Thesis & Internship

Audio & Video Signal Processing



Your Role

Are you passionate about working side by side with experienced engineers and developers? We are offering challenging, interesting and applied research topics in the domain of audio and video signal processing in a well-known and international company.

Your Opportunities

Audio Signal Processing

- Design of a flexible audio test framework
- Acoustic watermarking in adverse conditions
- Spatial audio: virtual sources & noise reduction

Video Signal Processing

- Face detection utilizing depth-map based cameras
- GPU-optimized video processing
- Error concealment and inpainting

We certainly have many more ideas. However, we are also open for your input. Just get in touch with us at studi-drs@logmein.com

Your Profile

- You are interested in signal processing
- You want to master C++ and object oriented programming
- You enjoy exploring (new) technologies with the desire to understand them
- You have a lot of fun working and learning together with a team of software engineers who enjoy their work

We Offer

- A Startup environment with the benefits of global software company
- Modern work equipment and excellent office facilities
- Continuous learning and coaching with excellent development and career opportunities
- Free snacks, BBQs, fruits, vegetable, coffee and drinks
- And a lot of fun

LogMeIn®

LogMeIn simplifies how people connect with each other and the world around them to deepen relationships, and create better outcomes for individuals and businesses.

LogMeIn has millions of users spanning virtually every country across the globe.

LogMeIn is one of the world's top 10 public Software-as-a-Service companies, and market leader in communication & conferencing, identity & access, and customer engagement & support solutions.

Our European development center in **Dresden**, plays a significant role in the global R&D organization and is steadily growing. Our office is located right in the city center, just a short walking distance to the river promenade and the historic old town with its landmarks Semperoper, Zwinger and Frauenkirche.

Contact:

Mona Heitz
studi-drs@logmein.com

Bachelor / Master Thesis & Internship

Real-time Communication Client



Your Role

Are you passionate about working side by side with experienced engineers and developers? We are offering challenging, interesting and applied research topics in the domain of real-time-communication client development, specifically audio and video processing in a well-known and international company.

Your Opportunities

Real-time Communication Client Development (Audio/Video)

- Design of a flexible audio & video test framework
- Extend RTC technology into mobile clients (iOS, Android)
- Learn how to rapidly build RTC applications by using the agility of TypeScript and performance of C++ in synergy

Cutting Edge Build System Development

- Rapid software development at scale – develop a high-performance build system and CI/CD pipeline
- Test Driven Development by orchestrating various programming languages and professional build tooling

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Your Profile

- You are interested in developing desktop or mobile clients
- You want to master C++ and object oriented programming
- You enjoy exploring (new) technologies with the desire to understand them
- You have a lot of fun working and learning together with a team of software engineers who enjoy their work

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Bachelor / Master Thesis & Internship

Real-Time Communication Analytics & Intelligence



Your Role

Are you passionate about working side by side with experienced engineers and developers? We are offering challenging, interesting and applied research topics in the domain of data analytics and machine learning in a well-known and international company.

Your Opportunities

- Data analytics on large scale, distributed and heterogeneous data sources
- Natural language processing on customer feedback
- Machine learning on a variety of data sources and problem areas

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Your Profile

- Advanced in at least one programming language (e.g. Python, JavaScript, Scala)
- Solid software development skills
- Experience in big data and data stream processing is a plus
- Experience in relational databases is a plus
- Experience in cloud technologies (AWS) is a plus

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