APPLICATION DEVELOPER AND TESTER INTERN

The system integration team's main task is to maintain and prepare the software systems of test vehicles and to develop the connected infrastructure. To manage and track test vehicles, our team has started developing a mobile application for iOS/Android with features like vehicle reservation, datasheets, real time location tracking, 3D and AR visualizations, issue tracking, communications with several inner services and databases etc. We are also seeking quality UX design.
The feature set is continuously growing based on user feedback and requests.

JOB SUMMARY

- Help to develop our team's mobile application
- Participate in the testing of this mobile application
- Create unit tests
- Create and maintain documentation

KEY QUALIFICATIONS

- Ongoing (active/passive) full-time university studies for at least one more year on engineering or IT field
- Flutter knowledge
- Experience in Android or iOS development
- At least 20-25 working hours/week in our Budapest office
- Intermediate-level English knowledge

CONSIDERED AS A PLUS

- Experience with the following languages:
  - Swift
  - Kotlin
  - Python
  - Dart
  - JavaScript
- UI/UX related experience
- Adobe XD or Figma
- Experience in web development

WHAT WE OFFER

- Possibility to gain valuable work experience at the forefront of the Hardware development sectors
- Competitive student salary
- Inspiring and supportive working environment
- Teambuilding events and other benefits for students
- Flexible working hours
- Long-term job opportunity
- Possibility of an immediate start
- In-service training opportunity
- Free lunch every workday at one of the best all you can eat restaurants in Budapest

C++/Python Developer Intern - Compiler Stack Integration

aiWare is an Automotive Neural Network Accelerator Hardware IP, developed by engineers working side-by-side with our automated driving teams to create a unique solution targeting high performance L2-L4 automotive grade real-time AI inference for AD/ADAS. aiWare currently uses a proprietary compiler to compile neural network models for execution from various neural network model formats.
NNEF is an open-source neural network model format developed by aiMotive as part of the Khronos Group for exchanging models between neural network training frameworks, inference engines and model compilers. aiWare can take NNEF models and compile them for execution.
Our future goal is to integrate our NNEF frontend and aiWare backend into an open-source neural compiler stack.

Job Summary

- Understand the interface / usage of currently existing tools at aiMotive (NNEF parser, aiWare compiler)
- Investigate open-source neural network compiler stacks (TVM, MLIR) for integration possibilities, both frontends (input formats) and hardware backends, assess the amount of work required
- Integrate our existing NNEF frontend into a compiler stack, expected to be connecting glue code in C++ and/or Python and configuration files
- Integrate our existing aiWare compiler backend into a compiler stack, expected to be connecting glue code in C++ and/or Python and configuration files

Key Qualification

- Ongoing (active/passive) full-time university studies for at least one more year (preferably master's studies)
- Advanced knowledge of C++ and some knowledge of Python
- At least 20-25 working hours/week in our Budapest office
- Intermediate level English knowledge
- Precise, reliable, quality focused attitude
- Independent and proactive attitude

Considered as a plus

- Interest or previous experience with compilers or related algorithms

What We Offer

- Possibility to gain valuable work experience at the forefront of the Hardware development sectors
- Getting deeper understanding of:
    - Neural networks
    - C++ and Python
- Competitive student salary and long-term bonus system
- Inspiring and supportive working environment
- Teambuilding events and other benefits for students
- Flexible working hours
- Long-term job opportunity
- Possibility of an immediate start
- In-service training opportunity
- Free lunch every workday, nearby at one of the best all-you-can-eat restaurants in Budapest or delivered by Wolt for Work

RESEARCH ENGINEER INTERN - AINOTATE

Developing automated driving requires a complete, mature toolchain to collect, generate, use and manage the data needed for a safe and robust solution. aiData is the most advanced, data-driven pipeline for automated driving that reduces the complexity of the processing with high automatization while still ensuring automotive quality.

An accurate understanding of the surroundings of the vehicle is at the heart of self-driving applications, detecting and providing 3D properties of the objects surrounding the vehicle is one of the fundamental building blocks in delivering a reliable autonomous vehicle. In order to enable high-quality detections, error-free training data for neural networks is essential. As a Research Engineer Intern in the aiNotate team, you will take part in the development and testing of an automatic annotation pipeline.

JOB SUMMARY

- Development and maintenance of existing code base
- Algorithm development for automatic annotation generation
- Close cooperation with researcher colleagues

KEY QUALIFICATIONS

- Ongoing (active/passive) full-time university studies for at least one more year
- At least 20-25 working hours/week
- Solid knowledge of C++
- Intermediate level English knowledge
- Precise, reliable, quality focused attitude

CONSIDERED AS A PLUS

- Experience in working with Docker, Kubernetes or other containerization technologies

WHAT WE OFFER

- Possibility to gain valuable work experience at the forefront of the automotive R&D sector
- Competitive student salary and long-term bonus system
- Inspiring and supportive working environment
- Teambuilding events and other benefits for students
- Flexible working hours
- Long-term job opportunity
- Possibility of an immediate start
- In-service training opportunity
- Free lunch every workday, nearby at one of the best all-you-can-eat restaurants in Budapest or delivered by Wolt for Work

SOFTWARE ENGINEER INTERN - AINOTATE

Developing automated driving requires a complete, mature toolchain to collect, generate, use, and manage the data needed for a safe and robust solution. aiData is one of the most advanced, data-driven pipelines for automated driving that reduces the complexity of the processing with high automatization while still ensuring automotive quality.
An accurate understanding of the surroundings of the vehicle is at the heart of self-driving applications, detecting and providing 3D properties of the objects surrounding the vehicle is one of the fundamental building blocks in delivering a reliable autonomous vehicle. To enable high-quality detections, error-free training data for neural networks is essential. As a Software Engineer Intern in the aiNotate team, you will take part in the development and testing of an automatic annotation pipeline.

JOB SUMMARY

- Development and maintenance of existing code base
- Algorithm development for automatic annotation generation
- Close cooperation with researcher colleagues

KEY QUALIFICATIONS

- Ongoing (active/passive) full-time university studies for at least one more year
- At least 20-25 working hours/week
- Solid knowledge of Python, experience with C++
- Intermediate level English knowledge
- Precise, reliable, quality focused attitude

CONSIDERED AS A PLUS

- Experience in working with Docker or other containerization technologies
- Experience in process automation in High Performance Computing (HPC) environment

WHAT WE OFFER

- Possibility to gain valuable work experience at the forefront of the automotive R&D sector
- Competitive student salary and long-term bonus system
- Inspiring and supportive working environment
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