

Internship: Geospatial Data Conversion m/f/d

About ADB SAFEGATE

Our diverse team spanning 45+ nationalities across 37 offices shares one purpose: helping airports achieve new levels of safety, sustainability, and efficiency in airside operations. If you are a team player who is driven and passionate about supporting our great team to develop and deliver products, solutions, projects, and services that make air travel safer and better, come join our crew.

We are looking for:

Position: Internship

Location: Graz, Austria

Employment type: Full-time /
Part-time (20 h)

Duration: 2 - 4 months

As a Geospatial Data Conversion Intern, you will join our team of experienced software developers to create and enhance conversion tools for geospatial data formats, including KML, GeoJSON, and AIDX, into our proprietary C++ format, and vice versa, utilizing Qt5. This role requires a unique blend of geospatial knowledge, programming skills, and the ability to work with various data formats to ensure accurate and efficient data conversion and processing.

Roles and Responsibilities

- Design, develop, and test software tools for converting geospatial data between KML, GeoJSON, AIXM, and our internal XML format, using C++ and Qt5
- Ensure high-quality conversion tools by implementing robust error handling and validation mechanisms
- Optimize existing conversion tools for performance and reliability
- Implement new features and enhancements based on user feedback and emerging requirements
- Develop and maintain unit and integration tests to ensure the accuracy and integrity of data conversions
- Participate in code reviews to maintain high standards of code quality and reliability
- Create comprehensive documentation for developed tools, including user guides and technical specifications
- Document all phases of the software development process, from design to deployment
- Work closely with other developers and (company-internal) end-users to gather requirements and feedback

Skills Required

- Currently pursuing or recently completed a degree in Computer Science, Geoinformatics, Geographic Information Systems (GIS), or a related field
- Proficiency in C++ (versions 11/14/17) and experience with the Qt5 and similar framework
- Familiarity with geospatial data formats such as KML, GeoJSON, and AIXM; Understanding of GIS concepts and spatial data manipulation
- Experience with software development tools (e.g., Git, CMake) and methods (e.g., Agile, Scrum)
- Attention to detail and precision in data handling and conversion
- Ability to document work and communicate technical concepts clearly and effectively
- Good interpersonal skills to interact with team members and potentially clients or end-users
- Ability to work independently with minimal supervision as well as collaboratively in a team environment

We offer

- A workplace that celebrates diversity, entrepreneurship and collaboration
- We provide the opportunity to learn, grow and realize your potential
- Exciting projects in the aviation industry, numerous benefits and a comprehensive onboarding are waiting for you
- Flexible working hours
- Possibilities for working from home

COME AND
JOIN THE CREW

Email your application to:
careergraz@adbsafegate.com
To learn more about us, visit:
www.adbsafegate.com/career



Field of aviation



Flexible working hours



Free parking



Free snacks



Free gym access



Public transport



Multicultural team



Working from home

The minimum salary according to the IT collective agreement for this position is for the first six months EUR 1.539,- gross per month (14 times per year). Depending on the respective experience level and personal profile, we offer an attractive overpayment.

Ready for departure?

Send us your application to: careergraz@adbsafegate.com
Watch out for more: www.adbsafegate.com/career
Get info here: <https://www.karriere.at/f/adb-safegate-austria>
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