

# AI-Based Software Security Intern (IDA: 2025-00017)

## Vos activités

1. Explore and integrate open-source AI models for security applications.
2. Develop and refine machine learning-based approaches for security testing.
3. Implement AI-assisted techniques for vulnerability detection and mitigation.
4. Perform testing and benchmarking of AI-driven security solutions.
5. Automate the generation of security test cases using AI models
6. Analyze results and iterate on AI-based security testing methodologies
7. Contribute to research papers, technical documentation, and presentations

## Votre profil

1. Strong programming skills in Python, C, or C++.
2. Experience with AI/ML frameworks such as TensorFlow, PyTorch, or Hugging Face.
3. Basic understanding of software security principles and vulnerability testing.
4. Familiarity with open-source AI models and their applications in security.
5. Familiarity with reinforcement learning or generative AI models.
6. Strong problem-solving skills and ability to work in a collaborative environment.

## Notre offre

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## A propos de nous

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2021, Continental generated sales of €33.8 billion and currently employs more than 190,000 people in 58 countries and markets. On October 8, 2021, the company celebrated its 150th anniversary.

The Automotive group sector comprises technologies for passive safety, brake, chassis, motion and motion control systems. Innovative solutions for assisted and automated driving, display and operating technologies, as well as audio and camera solutions for the vehicle interior, are also part of the portfolio, as is intelligent information and communication technology for the mobility services of fleet operators and commercial vehicle manufacturers. Comprehensive activities relating to connectivity technologies, vehicle electronics and high-performance computers



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