Fabien Guihard

📞 +33(0)7 81 94 17 18   in fabienguihard
🌐 fabienghd.github.io   ✉ guihard.fa@gmail.com
                          🗇 FabienGhd

Education

Double Master's degree - Cybersecurity   *University of Rennes - Eötvös Loránd University*
International double degree - European Institute of Technology   *September 2023 – June 2025*

- *Relevant Coursework: Software Security, Network Security, Privacy*
- *Specialization: Advanced Cryptography*
- *Innovation and Entrepreneurship Minor*

Bachelor's degree - Computer Science   *University of Rennes*
Digital Electronics Minor   *2020 - 2023*

- *Relevant Coursework: Linear Algebra, Discrete Mathematics, Data Structures and Algorithms, Databases, Networking*

Work Experience

Security Engineering Intern   *Helsinki, Finland*
Comparables.ai   *May 2023 - June 2023*

- Conducted penetration testing to identify security vulnerabilities.
- Enhanced the effectiveness and robustness of the AWS Web Application Firewall (WAF).
- Implemented enhancements to strengthen frontend security through HTTP headers and backend security through API security measures.
- Provided cybersecurity training to the team members.

Crowd Control Attendant   *Normandy American Cemetery, Omaha Beach*
American Battle Monuments Commission - U.S. government   *Summer 2022 and 2023*

- Ensuring American families and international visitors positive experience during their deference.
- Responded to visitor inquiries and followed up on information requests in a timely and effective manner.
- Oversaw visitor flow management to ensure smooth traffic.

International Mentor   *Rennes, France*
University of Rennes   *October 2021 - June 2022*

- Helped international students settle into university life and French everyday life.
- Facilitated their academic and social integration.

Recent Projects

Kazama Chatbot - Software Project - Scala

Collaborated with 10 teammates to develop a chatbot that recommends places in Rennes based on the user requests.
Iteratively designed 3 prototypes to improve UI/UX with the Scala Swing library.
Added multi-language support and a Text-to-Speech assistive technology.

Web Scraper - Software Project - Scala

Created an app that extracts content from a website and lists all the corresponding data related to the user query within an HTML page.

Clustering - Bioinformatics Project - Scala

Implemented algorithms that compare a gene and its associated proteins across multiple species.

Compiler - Software Project - Java

Led a team of 4 members to collaboratively develop a custom compiler from the ground up. Parsing; Semantic validation; Code generation; High-level optimization

The Binding of Isaac - Game Project - Java

Roguelike game development in collaboration with a teammate.

Skills Summary

Technical: Assembly, Linux distros, Penetration Testing, Security Tools, Git, Cloud, AWS, WAF, CloudWatch, Scala, Java, Python, C, React, SQL | **Languages:** English, French

Awards and Honors

Huawei Scholarship of Excellence in Cyber Security

Among Europe's top applicants for the Cyber Security Master's program. Merit-based scholarship sponsored by Huawei.