

# Fabien Guihard

Website: [fabienghd.github.io](https://fabienghd.github.io)

Github: [github.com/FabienGhd](https://github.com/FabienGhd)

LinkedIn: [linkedin.com/in/fabienguihard](https://linkedin.com/in/fabienguihard)

Email: [guihard.fa@gmail.com](mailto:guihard.fa@gmail.com)

Mobile: +33(0)7 81 94 17 18

## EDUCATION

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- **University of Rennes** Rennes, France  
*Bachelor of Science - Computer Science* *September 2020 - June 2023*  
*Relevant Coursework:* Linear Algebra, Discrete Mathematics, Data Structures and Algorithms, Digital Electronics, Databases, Networking
- **Beaumont High School** Redon, France  
*French Baccalaureate - Scientific Track; 15.5/20* *September 2017 - June 2020*  
*Relevant Coursework:* Mathematics, Physics, Chemistry, Biology

## SKILLS SUMMARY

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- **Technical Skills:** Scala, Java, Python, C, React, HTML, CSS, SQL, mySQL, Eclipse, Linux, UML, Git

## EXPERIENCE

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- **Crowd Control** Normandy American Cemetery, Omaha Beach  
*American Battle Monuments Commission* *July 2022 - August 2022*
  - Welcoming American families and visitors coming from all around the world.
  - Following-up of visitors' requests for information.
  - Responsible for the visitor flow management through parking attendance.
- **International Mentor** Rennes, France  
*University of Rennes 1* *October 2021 - June 2022*
  - Helping international students settle into university life and French everyday life.
  - Facilitating their academic and social integration.

## PROJECTS

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- **The Binding of Isaac - Game Project - Java:**
  - Roguelike game development in collaboration with a teammate. (December '21)
- **Kazama Chatbot - Software Project - Scala:**
  - Collaborated with 10 teammates to develop a chatbot that recommends places in Rennes based on the user requests. (April '22)
  - Iteratively designed 3 prototypes to improve UI/UX with the Scala Swing library.
  - Added multi-language support and a Text-to-Speech assistive technology.
- **Minesweeper - Algorithm Project - Java:**
  - Built a command-line implementation of Minesweeper in collaboration with a teammate. (December '20)
- **Clustering - Bioinformatics Project - Scala:**
  - Implemented algorithms that compare a gene and its associated proteins across multiple species. (May '22)
- **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. (February '22)
- **Naive reads assembler - Bioinformatics Project - Scala:**
  - Implemented algorithms that focused on providing a naive assembler and studied how it scales up as the number of reads increases. (April '22)

## LANGUAGES

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- **French:** Native
- **English:** Fluent
- **Spanish:** Basic