# Fabien Guihard

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## EDUCATION

- **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

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

## EXPERIENCE

- **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

- **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 list 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 studying how it scales up as the number of reads increases. (April '22)

## LANGUAGES

- **French**:  Native

- **English**:  Fluent

- **Spanish**:  Basic