

# RÉMI BRENAUT

☎ +33783872588 ✉ remi.brenaut@epita.fr 🏠 Paris, France 🔗 [linkedin.com/in/remi-brenaut](https://www.linkedin.com/in/remi-brenaut) 🌐 [github.com/remicku](https://github.com/remicku) 🖱 [remibrenaut.vercel.app](https://remibrenaut.vercel.app)

Third-year engineering student at EPITA, passionate about software development, problem-solving, and machine learning. Skilled in Java, C, and Python, with experience in Git and collaborative development through academic projects. I am seeking a 6-month internship starting in August/September 2025 to apply and deepen my skills in a dynamic and challenging environment.

## EDUCATION

### EPITA

Computer Science Engineering School

- Entrepreneurship course.

2022 – 2027

Paris, France

### James Cook University Singapore

Exchange Semester

2024

Singapore

### EPFL – École Polytechnique Fédérale de Lausanne

1st year of Bachelor in Computer Science

2021 – 2022

Lausanne, Switzerland

### Lycée Français de Prague

High School diploma

2014 – 2021

Prague, Czech Republic

- Highest honour, Member of the Establishment Board, Member of the robotics club.

## PROJECTS

**Tiger Compiler** | Group project | Mar 2025 – Apr 2025

C++ | Autotools | Flex/Bison

- Developed a compiler for the Tiger programming language, including parsing, semantic analysis, and **IR generation** using **LLVM**.
- Implemented key features such as Tiger grammar, **binding**, and **type checking**.

**JWS (Java Web Service)** | Solo project | Feb 2025

Java | Quarkus | Kafka

- Built a **layered backend** to handle asynchronous workflows through a **REST API**.
- Learned **microservice architecture**, **event-driven messaging**, ORM usage, backend design, and production-grade Java tooling.

**42sh** | Group project | Jan 2025

C | GNU Autotools

- Built a **terminal emulator** with support for multiple built-in commands (**bash-like**).
- Implemented key features such as **process management**, **piping**, and redirections.

**Football Match Predictor** | Solo project | Dec 2024

Pandas | Scikit-Learn | Python

- Created a **machine learning model** to predict matches, integrating **data scraping** and **logistic regression**.
- Learned web scraping, data preprocessing, basic **feature engineering**, and model evaluation (train/test split).

**OCR Sudoku Solver** | Group project | Oct 2023 – Dec 2023

C | GTK | SDL2

- Developed a **neural network** to recognize digits from images and solve puzzles automatically.
- Implemented image preprocessing, **grid recognition**, digit classification, and a **user interface**.

## WORK EXPERIENCE

### Golf Bluegreen Pornic

Internship

Jul 2023 – Aug 2023

Pornic, France

- 18-hole golf course.
- Customer interaction and operations. Gained adaptability, communication skills, and sense of service.

### Hotel Century Old Town MGallery Prague

Internship

Aug 2020

Prague, Czech Republic

- Hotel with 169 rooms, 4 stars.
- Support to hotel director. Learned rigor, teamwork, and organization in a fast-paced environment.

## SKILLS

**Programming Languages:** Java, Python, C, C++, PostgreSQL, JavaScript, Bash, C#, HTML, CSS

**Technologies:** Git, Autotools, Meson, React, Quarkus, Apache, Unity, Linux

**Soft Skills:** Agile Method / Scrum, Design Thinking, Project management, Conflict management

## LANGUAGES AND INTEREST

**French** Native, **English** IELTS 7.0, **Spanish** B2, **Czech** B1, **Russian** A2.

Electric guitar, Football, Golf