# Lou FUGIER

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## Profile

Final-year Master's in Computer Science at ESIGELEC (''French Grande École'') with expertise in **Full stack development (JS, Python)**; seeking an internship (minimum four months, **V.I.E.** eligible) starting June 2025.

## Skills

**Languages**
- Python (Django, FastAPI)
- JavaScript, CSS3, HTML5
- React, Node.js (REST API)

**Technologies**
- MySQL, Docker
- Git, GitHub
- Linux & Windows

**Spoken Languages**
- French (native)
- English (B2 level)
- Spanish (A2 level)
- Japanese (A2 level)

## Projects & Experience

**ATIM, concepteur fabricant de capteurs & solutions IoT | M2M**  —  Villard de Lans, France
*R&D Development*  —  June 2023 – September 2023
- Design and implementation of a web application to estimate sensor battery life (JavaScript, HTML/CSS)
- Development of APIs for server–client communication and database optimization (Node.js, SQL)
- Contributions to network architecture, C++ codebase, and internal tool automation (VBA)

**Holo'Réed, Engineering Project**  —  Rouen, France
*Best ESIGELEC Engineering Project Award 2024* 🏆  —  2023 – 2024
- Development of a web platform for managing patients with Parkinson's disease, featuring authentication, data storage, and integration with a mixed reality headset for running a therapeutic application
- Backend architecture in **Python** with REST API and **MySQL** database
- Responsive user interface in **HTML/CSS/JavaScript**

## Education

**ESIGELEC (''French Grande École'')**  —  Rouen, France
*Master of Engineering in Computer Science (CERT)*  —  2021 - 2025
- Training in web development and networks
- Vice-President of Student Council 2022-2023 (Apollo)

**Vaucanson High School**  —  Grenoble, France
*Preparatory Classes for Engineering Schools (CPGE)*  —  2019 - 2021
- Physics and Technology major (P.T.)

## Interests

- Self-taught pianist (classical and pop music); developed an **Audio-to-MIDI Piano Roll Generator** to convert audio files into MIDI and visualize them as animated piano rolls (Python)
- Travel and cultural discovery (Japan, Spain, New Caledonia)
- Dance (Hip-hop and Modern Jazz)