Rémy HIDRA

Software Engineer

Who am I ?

With a Master of Research in **Robotics** and a strong **Web freelance** experience, I build creative software focused on **design** and **user experience**.

Passionate about new technologies, I have self taught myself most skills required to build **complex** infrastructures. My academic background gave me a strong **theoritical knowledge** in **AI**, **networking**, **distributed systems**, **signal processing** and **robot navigation**.

Being an amateur **filmmaker** and former **video game** developper, I like learning new ways to combine my passions and my skills.

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Skills

Hard

Fullstack Web
React, Angular, Node, Django, SQL, Ionic

Software
Python, Java, Docker, Git

Robotics
ROS, C++, PX4, Gazebo, Linux

Machine Learning
Keras, Tensorflow, Apache OpenNLP

Soft

Student club financial management

Group project management

Computer Graphics
3D Modeling, Image Editing

Filmmaking
Video production and editing

Languages

French	English	German	Chinese
Native	Fluent	Basic	Beginner

Education

Shanghai Jiao Tong University   **2019–2021**
Double degree, Master of Research in Robotics
UAV navigation system in a dynamic unknown simulation

INSA Lyon   **2015–2020**
Telecommunications
Option Theater Studies, Technics of Light & Sound
Computer Science and Telecommunications.

Professional Experience

Freelance Frontend dev   **2021**
Nestaur, Remote
I helped this startup re-build their entire KPI monitoring front-end after a bad external team experience. I made this React app capable of running smoothly and intuitively. After solving various UX problems, I re-designed their entire interface to be responsive. I learned a lot about complex UI problems, SVG graph generation and React features.

CTO, Fullstack dev   **2020**
Clapback, Shanghai
A startup founded around a new media app, with social media interactions, users video upload and processing and a scalable infrastructure. I built an app easy to iterate and maintain, without any third party blocked in China. The backend supports a REST API, offline video encoding, is optimized for production and connects to an Angular backoffice.

Fullstack dev Internship   **2019**
Kerlead, Villeurbanne
Development from scratch of a mobile app for Android & iOS using Ionic and Angular web technologies. Created a web based NLP text annotation tool for real time AI training.
Learn to work in an agile environment, to communicate with my coworkers to solve mutual problem, and discuss with the client of the improvements to do on the product.

Other Activities

Treasurer of an audiovisual student club   **2017–2018**
Management of a 10,000€ budget, Grant gathering, Management of many associatives projects, Filmaking.

Organizing of a 2,000€ crowdfunding
Management of a communication campaign for a travel project to New-York.

Option Theater Studies, Technics of Light & Sound   **2017–2019**
Artistic creator and technical manager on performing arts.