

# Florian Hamel

## Full Stack Developer - Freelance

### EDUCATION

### SKILLS

#### TECHNOLOGIES

- **TypeScript - JavaScript**
- **HTML - CSS**
- **Node.js**
  - **TypeORM**
  - **Axios** - API requests
  - **Passport.js** - authentication
  - **socket.io** - chat & live events
- **Frameworks**
  - **NestJS** - TypeScript backend
  - **Vue.js**
- **Databases**
  - **PostgreSQL** - SQL
  - **MongoDB** - NoSQL
- **Git** - Branch, merge, etc..
- **Docker** - Dockerfile & docker-compose
- **Python**
  - **PyQt5** - G.U.I library
  - **OpenPyXL** - Macros Excel
  - **Pandas, SKLearn** - Machine Learning
- **C++ - C - Assembly**

#### LANGUAGES

- **French:** Native
- **English:** Professional working proficiency - 895/990 TOEIC 2018

### QUALITIES

- **Communication**
- **Teamwork**
- **Adaptation**
- **Curiosity**
- **Decision making**

### INTERESTS

Running



Swimming



Behavioural  
Science



Artificial  
Intelligence

2019  
2022

#### 42 Paris

- **Projects pedagogy:** teamwork, fast adaptation to new topics, technical skills development, problem solving
- **Git** was used on every projects, solo and in group
- **Project examples:**
  - **HTTP Server:** development of a program in C++ that can receive HTTP requests (GET, POST, DELETE) and deliver data to a client statically and dynamically with a CGI
  - **RedTetris** (in progress): web application development with MongoDB, NestJS and Vue.js
  - **Ray Tracer:** development of a C program that consists of a vectorial process that makes a realistic projection of a mathematically modeled 3D scene in 2D
  - **Minishell:** development of a shell based on bash with less functionalities

On  
going

#### Self-education

- **Side project examples:**
  - **Deep Learning** : A.I. that plays Connect4 with Monte-Carlo method on an interactive G.U.I
  - **Machine Learning:** a prediction algorithm with Pandas and SKLearn to help me optimise my sleep thanks to a database I built from an encephalogram

2017  
2018

#### EDHEC Business School

- **Economics, Marketing & Management**
- **Team projects:** business games & oral presentations

2014  
2017

#### Classes Préparatoires aux Grandes Écoles - ECS & D2 ENS Cachan

- **Mathematics, Economics, Geopolitics, English, Spanish & Philosophy**

### EXPERIENCE

2021

#### Freelance - Process automation for Axenergie

- **Development of G.U.I software in Python with PyQt5**
- **Development of a program in Python with OpenPyXL that automates issue recognition on Excel files**

2018

#### Admisseeur EDHEC Business School

- **Organisation of the welcoming of the admissible students at EDHEC**

2017  
2018

#### HelloWorld!EDHEC - Association

- **Web Development (HTML5, CSS3, JavaScript)**
- **Co-responsibility of the communication department of the association**
- **Organisation of the HelloNexenChampionship, a +200 players LAN (local network video games competition)**