ETIENNE LEFEBVRE
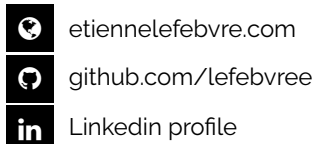
🌐 etiennelefebvre.com
🐙 github.com/lefebvree
in Linkedin profile

WHO AM I?

I'm a software developer who graduated from the Université de Lyon with a Master's degree in Artificial Intelligence.

I enjoy building applications from start to finish and I've specialized in crawling of dynamic websites, from crawler techniques and behavior, to their implementation in the real web.

Technologies	Python, Golang, ES6, Java
Web	Vue.js, D3, Node, Flask, Webpack
Databases	Redis, MongoDB, MySQL
Tools	Linux, Docker, Git, NumPy, Latex
Languages	French, English, rudimentary German

EXPERIENCE

2019 – currrent
6 mo. internship,
permanent contract

Research & Development Engineer   Ziwit / HTTPCS

- Conception of a web crawling policy based on URLs structural clustering and webgraphs.
- Development of an online virtual browser to record and capture navigation scenarios.
- Implementation of a Go proxy for HTTPCS Security scanner & Integrity monitoring products.
- Conception of a ML pipeline learning embeddings for vulnerability detection in URLs.
- Development of a lightweight log aggregator for internal use based on Redis streams.
- Migration of applications & web services to Docker images and Docker Swarm clusters.

```
Python  /  Golang  /  Vue.js  /  Redis  /  MongoDB  /  Tensorflow
```

2017
2 mo. contract

Software developer   Ziwit / HTTPCS

- Development of a web crawler for dynamic pages endpoints discovery.
- Full-stack development on map.HTTPCS.com and HTTPCS.com user console.

```
Python  /  Javascript  /  Selenium  /  Redis
```

2016
6 mo. internship,
2 mo. contract

Web developper   Ziwit / HTTPCS

- Creation of the map.HTTPCS.com Cyber Attacks interactive website.
- Visual identity update and front-end development for HTTPCS.com.
- Implementation of an online SSL Certificate validity checker using OpenSSL.
- Development of a PDF user reports generator using server-side LaTeX compilation.

```
Python  /  Javascript  /  PHP  /  MySQL
```

EDUCATION

2017 – 2019   **Master's Degree - Artificial Intelligence**   Lyon, France
Université de Lyon – TOEIC 985

2016 – 2017   **Licence - Computer Science**   Montpellier, France
Université de Montpellier – 1/94 – Cursus Master Ingénierie

2014 – 2016   **DUT - Computer Science**   Montpellier, France
IUT Montpellier-Sète – 4/104

2014   **Scientific Bachelor's Degree**   St. Christol-les-Alès, France
With high honours – European section

PROJECTS

- GeoHurricane: Data visualization of hurricanes in the world from 1842 to 2016 with D3.js.
- Bitcoin users re-identification from heuristics based on the blockchain transaction history with Spark & Neo4J.
- Connect Four online game board with player vs. AI and PvP modes on Arduino/ESP8266 with Tensorflow & Flask.