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# Eloi BESNARD

Student in distributed systems, I am also really interested in cryptography. I am looking for an internship starting early February 2023.



## My coding experience in a [nutshell](#) :

**Coding and tech skills** : C, TypeScript, Java, Python, ReactJS, NodeJS, SQL, Docker, Kubernetes, gRPC  
**High Performance Computing** : OpenMP, MPI, CUDA  
**Operating System** : Linux, xv6  
**Version management** : Git, GitHub, GitLab  
**Cryptography projects** : Research article on FHE, final year project on privacy in memory zones

## Education

### 🏠 Telecom SudParis

Distributed systems engineering

**2022 - 2023 : M2**

- High Performance Computing
- Middleware, Docker, Kubernetes
- Cloud Computing
- Cloud Infrastructure
- Final Year Project : Evaluation of privacy-preserving embedded languages for C/Intel SGX.

**2021 - 2022 : M1**

- Operating System programming
- Distributed algorithms
- System Programming, Client-server
- Security-oriented programming
- Architectures and web applications

**2020 - 2021 : L3**

- Unix, Bash and Java
- Statistics
- Physics for telecommunications

### 🏛️ Preparatory classes

**2018 - 2020 : MPSI-MP**

- Preparatory classes are French's intensive scientific courses for engineering school's qualifying tests
- Entry rank : 1200/5800

**Courses :**

- Mathematics : algebra, analysis, probability
- Various domains of Physics and Chemistry

## Experiences

### ✍️ Research Paper

**Feb/22-current : co-author**

- In my free-time, I am contributing to a pre-print research paper entitled : "*Towards trustworthy and privacy-preserving decentralized auctions*"
- Theme : privacy in blockchain with Fully Homomorphic Encryption (FHE)
- My work consisted of developing a calculation tool API in C using FHE library

### 💼 Internships

**Jun-Sep/22 : Carbometrix**  
**Software Engineer intern**

- Full-stack development of a web application used to compute companies' overall carbon footprint and compile climate reports
- Front and back end : ReactJS  
ORM : Prisma  
DB : PostgreSQL  
Usage of Git and Github

**Jun-Jul/21 : Foch's Hospital**

- Audit of information system in nephrology department

### 🎮 Hackathon

**Dec 21-Jan 22 : TezBet**

- Ranked 2nd/15 at GitCoin Hackathon with TezBet, decentralised sport betting app on Tezos



**French** (Native)



**English** (professional working proficiency)

What I like to do in my free-time : 🎵 🎮 🏋️ 🌊 🌴

*I play, tune and fix pianos. I play a lot of chess, I workout and I am committed to climate change. I also love the sea, sailing and surfing.*