

Mahot Descelliers

I'm a Software Engineer who especially cares about developer experience, maintainability, software engineering practices, and finding clean and elegant solutions to tricky problems.

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EDUCATION

- **École Nationale d'Arts et Métiers** Paris, France
M.Sc. Eng., Mechanical and Industrial Engineering 2017 – 2021
- **Lycée Jean-Baptiste Say** Paris, France
Preparatory classes (PCSI/PSI), Physics, Math and Industrial Engineering* 2015 – 2017

EXPERIENCE

- **Harmattan AI** Paris, France
Software Engineer 2025 – Present
 - **C2 software:** architecture, core development, integration, deployment and infrastructure.
 - **Tooling:** maintainer of several tools used across R&D.
 - **Engineering:** defining and promoting software engineering best practices in the company.
- **Withings** Paris, France
Software Engineer, ML 2021 – 2025
 - **ML infrastructure:** tools for algorithm development, certification, deployment and observability.
 - **Data collection & labeling:** online/offline collecting, labeling and monitoring tools.
 - **Developer tooling:** libraries, CI/CD, dashboarding framework, package hosting.
 - **Engineering:** defined and implemented best practices across the team.
 - **Side projects:** immersive experiences for events like CES [1] [2] [3].
- **Sysnav** Paris, France
R&D Engineer intern 2021
 - **Navigation algorithms:** new algorithmic features, including beacon-based position correction (BLE/UWB), for the PLD (Personal Location Device) program, an indoor/outdoor pedestrian positioning system.
 - **Analysis tooling:** replay, log parsing, trajectory visualization, metrics computation.
 - **Testing:** test plans and evaluation datasets.
 - **Technologies:** BLE/UWB/LoRa, Python.
- **JAD Technology** Paris, France
Co-Founder – UHF RFID traceability solutions for Industry 4.0 and IoT 2019 – 2020
 - **Smart cabinet:** production tool storage for Groupe Renault, from proof of concept to industrialization.
 - **Traceability platform:** real-time asset tracking web application, and an end-to-end solution for a luxury meal delivery service (inventory, tracking and order verification).
 - **Technologies:** RFID UHF (RAIN, MIFARE, ...), Raspberry Pi.
- **Akonite** Paris, France
Industrial Design intern 2018
 - **Luxury pieces:** bespoke design work for luxury brands.
 - **Fire safety enclosure:** preliminary industrial design.
 - **Board sports:** component redesign.
 - **Prototyping:** prototypes for various industrial design projects.

SKILLS

- **Programming languages:** Python, TypeScript, SQL, Rust, Bash.
- **Technologies:** Docker, Terraform, GitHub Actions, Ansible, Next.js, Electron, FastAPI, Turborepo.
- **Others:** CAD modeling, 3D printing, PCB design, sewing, silversmithing, metalworking.