

Audrey Cigolotti Software Engineer

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EXPERIENCE

Human-Robot Interaction Engineer, Enchanted Tools

2022 - present | Paris, France

- Development of the interaction stack in **C++** and **Python**
- Designing the robot's autonomous behaviors
- Creating natural interfaces between humans and mirokaï, through verbal and non-verbal interactions
- Planning and developing public demonstrations

Industrial Back-End Developer, Metron

2020 - 2022 | Paris, France

- Maintenance of the embedded (Linux) data collector known as the MetronLab and development of **Java** modules (Ignition SDK) to get data from the client to SQL databases
- Development of the **Python** API (fastAPI) of the MetronLab
- General data flow automation development.

Voice-Assistant Engineer intern, Snips

2019 | Paris, France

- Creation of business demonstrations and vocal assistant applications for showcasing our solutions (IFA 2019):
 - Vocal Interaction Design & Voice User Interfaces
 - Voice assistant "Skills" programming (**Python** & **TypeScript**)
 - Voice-GUI communications (Crank Software & **Lua**)
- Development of embedded fleet composed by Raspberry Pi & Arduinos (sensor reading, creation of Linux services, etc.)

Data Science intern, Batch

2018 | Lyon, France

- Behavioural study of mobile app users and churn prediction:
 - Visualization and data analyses with **Python** (Pandas, NumPy, matplotlib)
 - Getting and cleaning data from **NoSQL** databases (Cassandra)
- Use of TensorFlow (RNN-LSTM)
- Tasks automatization

EDUCATION

Engineering Degree - Electrical & Computer Engineering,

University of Technology of Troyes

2016 - 2019 | Troyes, France

Mobile Technologies and Embedded Systems major.

Relevant courses: Project management, Machine learning applied to Embedded systems, Programmable architectures, Systems administration, Databases, IoT, Mobile App Development, Network of sensors.

2-year University Diploma - Electrical, Electronics & Industrial Computing,

IUT of Cachan

2014 - 2016 | Cachan, France

Real-Time Computing and Networks major.

Relevant subjects: Embedded Systems development, RTOS, Electronics, Mechatronics, PCB Design, Industrial Automation, Energy Management.

SKILLS

Programming

Python, C++, Java, Bash

Technologies

Git, Docker, SQL & No-SQL databases, Data structures, Qt

Others

Soldering, CAD (Plasticity, Fusion360) & 3D printing

LANGUAGES

French

Native

English

Fluent (BULATS 92/100)

Italian

Elementary proficiency

German

Beginner

INTERESTS

Hobbies

- Electronics
- Art (Illustration, sculpture)
- Robotics

Sports

- Crossfit
- Horse-riding
- Bouldering