

# 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
- Boulderling