Audrey Cigolotti

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EXPERIENCE

Industrial Back-end Developer, *Metron*   05/2020 – present | Paris, France
- Maintenance and improvements of the embedded (Linux) data collector known as the **MetronLab** and development of **Java** modules using Ignition SDK to get data from our clients (more than 100 located in 27 countries).
- Development of the web interface and APIs of the MetronLab with **Python** (fastAPI).
- General data flow automation development, testing and documentation writing.

Voice-Assistant Engineer intern, *Snips*   04/2019 – 10/2019 | Paris, France
- Creation of business demonstrations and vocal assistant applications for showcasing our solutions to customers and electronics exhibitions (IFA 2019):
  - Programmation of multiple Voice-assistant "Skills" (**Python** & **Typescript**)
  - Voice-GUI communications (**MQTT**, Crank Software & **Lua**)
  - Designed Vocal Interactions and User Interfaces
- Development of embedded fleets composed of **Raspberry Pi** & **Arduinos** (sensors reading, creation of Linux services, audio settings, etc.).

Data Science intern, *Batch*   02/2018 – 07/2018 | Lyon, France
- Behavioural study of mobile app users and churn prediction using push notifications data collected on around 100 million users from 5000 mobile applications:
  - Visualization and data analyses with **Python** (using Pandas, NumPy, and matplotlib)
  - Getting and cleaning data from **NoSQL** databases (Cassandra)
  - Classifications and predictions made with Tensorflow
- Tasks automation for data ingestion.

Data Science Research intern, *Liverpool John Moores University*   04/2016 – 07/2016 | Liverpool, UK
Evaluation of different Machine learning algorithms to compare their performances to detect cancer from data of mammogram images (Matlab environment).

EDUCATION

Engineering Degree - Electrical & Computer Engineering,   2016 – 2019 | Troyes, France
University of Technology of Troyes
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 &   2014 – 2016 | Cachan, France
Industrial Computing, *IUT of Cachan*
Real-Time Computing and Networks major.

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

SKILLS

Programming
Python, C/C++, Java, Bash, Lua

Technologies
Git, Docker, UNIX, SQL & No-SQL databases, Jira, Confluence, Qt

Others
OOP, Agile and SCRUM Methodologies, Hardware, Soldering, 3D CAD & printing (Fusion360)

LANGUAGES

French	English	Italian	German
Native	Fluent (BULATS 92/100)	Elementary proficiency	Beginner

INTERESTS

Hobbies (Electronics, Robotics, Art [illustration, comics, etc.]) | **Sports** (Crossfit, Horse-riding)