

# Yves-Marie Plard

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## EXECUTIVE SUMMARY

Experienced French engineer with 6+ years in Power, Software & Healthcare industries. Strong interest in data analysis.

\* Healthcare & Power Industry \* Software Development \* Python \* Databases \* Project Management \* Agile Methodology \* Digitalization \*

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## WORK EXPERIENCE

### 4D – Database Management System & IDE

Jul 2021- Present

*Professional Services Team* - Project manager

San Jose, USA

- **Led teams of 3+ developers** in the end-to-end execution of software projects, ensuring top-down oversight at every stage.
- Successfully **managed** multiple concurrent projects (10+ software developments per year).
- **Conducted** client meetings, including high-level executives, to discuss project progress and requirements.

### General Electric – GE Healthcare

Sept. 2019 - Jul. 2021

*Women Health Imaging Service Team* - Responsible for digital transformation

Paris, France

- Developed **predictive maintenance models in Python**, saving costs & unplanned downtime. Engineered rules for automated alerts before a failure occurs on a machine (**20k\$/year/rule saved**).
- Lead projects for monitoring new machines logs as part of the company data strategy, supporting databases development (**Oracle, Greenplum, MySQL**) using Spoon & Logstash.
- Created automated tools for maintenance costs calculation (based on **Natural Language Processing models**)
- Lead a team of 3 to develop a **new feature for a service platform** (500+ hospitals using the feature)

### General Electric – GE Power

Sept. 2017 - Sept. 2019

**EEDP – Edison Engineering Development Program**

Belfort – Paris, France

Two-year early career program consisting of four rotational assignments. Combining advanced engineering coursework (10+ hours/week) with valuable work experience.

1. **Systems Team:** Led a team of 2 to define a comprehensive maintenance program for accessories of a 1600MW nuclear power plant.
2. **BoP Nuclear Team:** Quantified degradations in heat exchangers of nuclear power plants, identifying and addressing a 14MW loss (equivalent to \$4.4 million annually).
3. **Testing Team:** Conducted performance tests on a 650MW gas turbine and spearheaded a 10+ person team to install instrumentation.
4. **New Product Introduction Team:** Developed a 1D model for the gas injection system of a 120MW power station.

### AREVA - Nuclear Power & Renewable Energy Multinational Company

Mar. – Sept. 2017

*Intern – Configuration Team*

Paris, France

- Structured the database containing technical modifications inherited from the Flamanville Nuclear Power Plant.

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## EDUCATION

### SHANGHAI JIAO TONG UNIVERSITY

2015-2017

**DUAL DEGREE – MATERIALS SCIENCE & ENGINEERING**

Shanghai, China

- Relevant coursework: Industrial Engineering, Operational Research. Master's thesis focused on characterizing a material primarily applied within the aerospace industry.

### ARTS ET METIERS PARISTECH

2013-2015

**GRANDE ÉCOLES D'INGÉNIEURS – ENGINEERING SCHOOL**

Lille, France

- Relevant coursework: Optimization, Mathematics & Physics, Industrial Engineering, Operational Research, Mechanical Design & Simulation, Programming (Python, Matlab).

### LYCÉE LIVET

2011- 2013

**PREPARATORY CLASS – PHYSICS, MATHEMATICS & INDUSTRIAL SCIENCES**

Nantes, France

- Two-year intensive preparation for admission to French Engineering Grandes Écoles. Graduated with honors.

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## LANGUAGE & SKILLS

- **French:** Native | **English:** Fluent | **Chinese:** Intermediate level
- **Computer Skills:** Python (Intermediate level), SQL (Prior experience), JavaScript (Prior experience).

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## ACTIVITIES & INTERESTS

- **Hobbies:** Sailing & fishing. Chess.
- **Sports:** Squash & tennis enthusiast, Competitive runner (Tiberias Marathon - Jan. 2020, Paris Half-Marathon - March. 2019)