

# Jean POUSSET

Student in Applied Mathematics

Internship: May - August  Europe

**INSA** INSTITUT NATIONAL  
DES SCIENCES  
APPLIQUEES  
RENNES



Université  
de Rennes



Currently studying for a double-diploma in Applied Mathematics (INSA Rennes) and Scientific Computing and Modeling (University of Rennes), I'm looking for an **international** internship from **May 14 to August 31, 2025**. Ideally in the fields of **optimization/operational research** or **modeling**, I remain open to opportunities in AI/Machine Learning, Computer Science or Data-science.

## TRAINING

### MSc Scientific Computing and Modeling

- ↗ Mathematical modeling of phenomena
- ↗ Numerical resolution / simulation methods

2024-2026  
Double degree

### Applied Mathematics (MSc eq) - INSA Rennes

- ↗ Optimization and operations research
- ↗ Random modeling
- ↗ Statistical inference (Machine learning and AI)

2022-2026

### Integrated preparatory cycle - INSA Rennes

- ↗ Computer science, physics, chemistry and industrial sciences

2020-2022

## EXPERIENCE

### LABORATORY INTERNSHIP (IRMAR)

*Decomposition of particle-size curves*

- ↗ Formulation into optimization problems (NMF, LASSO, B-LASSO)
- ↗ Python implementation of the various linked algorithms
- ↗ Development of a [mini web app](https://granulometric-analysis.streamlit.app/) with Streamlit (Enables the use of methods for geological colleagues)

June-August 2024



### INDUSTRIAL TEAM PROJECT (ORANO)

*Parallel optimization of uranium enrichment equipment*

- ↗ Modeling of numerous constraints (physical/logistical)
- ↗ Addition of robustness criteria
- ↗ Comparison of solvers for linear programming (Python)

Jan. May 2024



### FACTORY WORKER (ST MICROELECTRONICS)

*Cleanroom maintenance (semi-conductors)*

- ↗ Intervention on heavy equipment (>1M€)
- ↗ Management and analysis of control silicon wafers

summers 2022 & 2023



### WORKSHOP WORKER (BARDOT NEXT)

*Autonomous manual production of carbon fiber parts*

- ↗ Extensions for sailboat hulls (vacuum infusion)
- ↗ Paraglider carbon seats (contact molding)

summer 2021



## INVOLVEMENT

### Secretary of the INSA Rennes Students' Association

- ↗ 1200 members, annual budget of €1M
- ↗ Management of 40 clubs, organization of major events
- ↗ Drafting of contracts, URSSAF, SACEM, CNM declarations...

2023



### Electrical installation manager

- ↗ 200 KW / 500 k€ distribution equipment
- ↗ Management of 5 volunteers with one professional

Student  
Festival



### SGBV / festive risk prevention manager

2022 & 2024



### Basketball coach

- ↗ Supervision of training sessions, matches and meetings
- ↗ Coordination with managers/parents


4 years



## CONTACT

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 [pousset.jean1@gmail.com](mailto:pousset.jean1@gmail.com)  
 [github.com/JeanPousset](https://github.com/JeanPousset)  
 [Jean Pousset](#)


## SKILLS

 C/C++, Python, Julia, Matlab, R

 Git, Unix, SQL

- ↗ Teamwork
- ↗ Project management
- ↗ Communication
- ↗ Scientific reading




## CERTIFICATES

TOEIC (980/990) 

Driver license

Youth leader diploma 

## LANGUAGES

 English (C1)  
 German (B1)  
 French (mother tongue)

## REFERENCES

Available on request

## INTERESTS

- Discover new cultures
- **Sports:** basketball, hiking, beach volleyball, swimming
- Science