Baptiste PRAS

Bachelor student in Computer Science
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EDUCATION

Magistère d'Informatique   **Paris, France**
Université Paris-Saclay   2024-2027
- Admitted to a selective and prestigious program
- Reinforced curriculum with advanced computer science courses, emphasizing on artificial intelligence and distributed algorithms
- University ranked 1st worldwide in mathematics (Shanghai ranking), and 12th overall, highlighting its academic excellence

Dual Bachelor Degree in Computer Science and Mathematics   **Paris, France**
Université Paris-Saclay   2022-2024
- Integrated rigorous coursework in mathematics and computer science, providing a strong foundation in algebra, probability, data structures, and algorithms, while fostering advanced skills in problem-solving and computational thinking

High School Baccalaureate   **Rumilly, France**
Lycée Démotz de la Salle   2020-2022
- Specialization in mathematics and computer science, graduated with highest honors
- Participated in several Erasmus programs

English School   **New-York, USA**
EF New-York   2019-2020
- Completed an intensive English immersion program, achieving C2 proficiency

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PROFESSIONAL EXPERIENCE

Study and Research Project *(internship)*   **Paris, France**
LISN   January – April 2025
- Exploring the impact of class imbalance on image classification performance on different machine learning models
- Conducting experiments in Python, using scikit-learn, PyTorch, numpy and visualizing the results with matplotlib
- Analyzing various class imbalance scenarios and their impact on model accuracy
- Generation and use of different data types

Generative AI Trainer   **Remote**
Outlier   2025
- Designed and refined prompts to enhance the performance of generative AI models
- Reviewed and corrected AI-generated outputs to ensure accuracy and quality
- Contributed to the continuous improvement of deep learning-based systems through feedback and prompt optimization.

Stock Associate *(summer job)*   **Seyssel, France**
Carrefour Market   2021-2024
- Ensured optimal shelf stocking, provided customer assistance, and maintained high standards of store organization

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ACADEMIC PROJECTS

- **Image classification:** Developed a machine learning model for the recognition of specific traffic signs using supervised learning algorithms. Extracted data from pictures, pre-processed it and trained several models on it. Reached a performance of over 95%
- **Java-like interpreter:** Made an interpreter based on Java, implementing various instructions, basic arithmetic, classes and methods. Typed the language like Java does it. Coded in OCaml, Ocamllex and menhir
- **Data base library:** Coded a library to treat data in C++
- **Various 2D games:** Air Hockey in Python; Labyrinth creation and solving in Ocaml; Colt Express in Java; Termite Battle simulation in C++

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SKILLS AND INTERESTS

Hard Skills
- **Python:** Proficient, experienced in numpy, matplotlib, pandas, seaborn, scikit-learn
- **C++/C:** Proficient
- **Ocaml:** Intermediate
- **Java, SQL, HTML, Processing:** Familiar with
- **Office Suite:** Word, PowerPoint, Excel

Languages
- **French:** Native language
- **English:** C2 proficiency
- **Russian:** Basic knowledge
- **German:** Basic knowledge

Soft Skills
- **Teamwork, collaboration and leadership:** Developed through 15 years of basketball, including coaching and referring younger players
- **Work ethic:** Demonstrated punctuality and reliability working on previous jobs
- **Flexibility and adaptability:** Quick learner, easily adapting to new tools and priorities

Interests
- **Basketball:** Practiced 15 years. Coached younger players and held a referee license
- **Algorithmic:** 5 years of practice in competitive programming. Finalist of the Prologin contest three times. Active on LeetCode and Advent of Code