Bastien Youssfi

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About Me

To conclude my academic journey following my exchange program in Japan, I am actively seeking a final internship of 6 months, aligned with my studies in computer science and applied mathematics at Grenoble-INP, ENSIMAG, starting September 2024.

Skills

- **Programming**: C++ (Microsoft Visual Studio), Java, Python (PyTorch/fast.ai), C, SQL, R, Node.js, MatLab
- **Others**: LaTeX, GitHub, Linux
- Strong Mathematics and Physics background
- Problem-Solving
- Communication
- Teamwork

Languages

- French: Native speaker (C2)
- English: Fluent TOIEC 970/990 (C1)
- Spanish: Intermediate (B1)
- Japanese: Basics (A2)

Interests

Sports: Handball, Gym and Kendo in Japan

Video and Photo Editing: During my free time and for friends

Traveling: Discovering new cultures and new lifestyles

Work Experience

2023
6 months

Software Engineer Intern

Digital Surf is a leading provider of surface analysis software solutions for precise measurement and characterization of surface topography in various industries. I had the chance to develop an add-on for their software that allows for the colocalization of two different surfaces. **C++ (Microsoft Visual Studio)**, Python, SCRUM agile methods, teamwork experience and lot of research beforehand.

2022
3 months

Research and Development Intern

Research on the Traveling Salesman optimization Problem involving graph theory and shortest paths. The Traveling Salesman Problem seeks the shortest route that visits each city once before returning to the starting point. It's a fundamental problem in computer science, applicable in logistics and circuit design, requiring efficient optimization techniques to find the best solution among countless possibilities. **Java, use of Eclipse IDE environment and paper writing.**

2021-2022

Member of the Student Bureau

Communication Manager: management of the Student Bureau account on social networks like Facebook or Instagram and creation of visuals for events videos, photos, flyers. Organization of events for school students: planning, coordinating, and executing various activities aimed at enhancing the educational, social, and cultural experiences of students within a school environment. **Teamwork, management and organization.**

Education

2020-2025
5 years

Grenoble-INP, ENSIMAG

Prestigious engineering school in France renowned for its excellence in computer science, applied mathematics, and engineering, voted **Best Computer Science Engineering School** in France in 2024. Specialized in **Mathematical Modeling, Image, and Simulation**. Main courses include Machine Learning Algorithms Optimization, Statistics, Data Analysis, Combinatorial optimization, Linear Algebra, Advanced Applied Mathematics, Numerical Simulation and so on.

2023-2024
1 year

University of Tsukuba

One year exchange in one of the best universities in Japan, 9th according to 2023 ranking. Main courses include Data Mining, Human-AI Interaction, Software Engineering and Media Processing.

2018-2020
2 years

Lycée Victor Hugo - Preparatory Class

Focused on mathematics, physics, and computer science, preparing for entrance exams to French prestigious Grandes Écoles. Developed strong analytical and problem-solving skills while mastering complex subjects under intense academic pressure.