ROBIN DIEUDONNÉ

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EDUCATION

Université Paris Cité   Paris, FR (2021 - Current)
BSc in Mathematics and Computer Science, Modeling and Simulation track
GPA: 3.9/4.0 (as of Summer 2024) | 2nd Year Rank: 12/61 | 1st Year Rank: 9/311

- **Relevant coursework:** Algorithms, Euclidean Spaces and Optimization, Inferential Statistics, Probabilities, Advanced Analysis, Scientific Computing Environment, Functional & Imperative programming, Language Theory, Operating Systems

- **Special track:** Selected among top students to follow a special arithmetic course.
  Also conducted in-depth research and presentation on mathematical concepts and results under faculty guidance, honing skills in resource location and LaTeX-based mathematical result documentation.

Korea University/고려대학교   Seoul, KR (Mar. 2024 - Aug. 2024)
Visiting student in the Faculty of Mathematics

- **Selected coursework:** Data Science, Artificial intelligence, Reinforcement Learning, Natural Language Processing, Investments, Korean II

- **Natural Language Processing Final Project - *Sign Language Translation*:**
  – Developed a state-of-the-art sign language translation model using transformers and the Flan-T5 architecture to improve gloss-to-text translation.
  – Led the project's technical implementation, achieving a ROUGE-L score of 57.11 by leveraging data augmentation techniques in a data-scarce environment.

- **Reinforcement Learning Final Project:**
  – Applied PPO (Proximal Policy Optimization) and TD3 (Twin Delayed DDPG) algorithms to complex environments (Ant Lv.2 and HumanoidStandup Lv.3).
  – Conducted performance analysis to evaluate the effectiveness of RL algorithms in high-level control tasks.

Fénelon Sainte-Marie High School - Scientific Track   Paris, FR (2010 - 2021)

- **Relevant courses:** Mathematics, Computer Science, Physics & Chemistry, Biology, Philosophy
- Scientific baccalaureate (advanced mathematics specialization) with "High Honours".

EXPERIENCE

IT-NEWVISION
High School intern   Paris, FR (June 2019)

- Engaged in a dynamic international tech startup specializing in information technology solutions.
- Gained valuable experience in billing systems used in the energy and utilities industries.
- Acquired knowledge of Agile methodology for project development and management.
- Explored various facets of the business, including consulting, back office operations, human resources, billing, and collections.

SKILLS/INTERESTS

Programming	Python, C, MATLAB, Java, Octave, LaTeX
Technologies	SQL, SVN
Languages	French (native), English (IELTS C1), Spanish (B2), Korean (B1)
	Currently attending a Korean Language Course at King Sejong Institute in Paris.
Sports.	Taekwondo: French federal black belt & department's champion in combat