Maël Le Guillouzic

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PROFESSIONAL SUMMARY

Ambitious Master's student in AI, Applied Mathematics, and Computer Engineering at a top French engineering school. Experienced in machine learning, image processing, and deep learning, with a strong foundation in mathematics and programming. Seeking challenging opportunities in AI and data science to leverage my technical skills.

EDUCATION

Télécom Paris | Paris, France | September 2022 - Present (Expected graduation: 2026)
- Master's in AI, Applied Mathematics, and Computer Engineering
- Coursework: Data Science, Image Processing, Deep Learning, Language Theory, Signal Processing, Fourier Analysis, Probability, Statistics
- Notable Project: Developed a Deepfake detection system using convolutional neural networks (ResNet 18)

Preparatory Classes for Grandes Écoles (CPGE) | Janson-de-Sailly, Paris | September 2019 - June 2022
- Intensive two-year program preparing for highly competitive entrance exams to top French engineering schools
- Focus: Advanced Mathematics, Physics, and Engineering Sciences.
- Achievement: Admitted to Télécom Paris (top digital technology school in France), Ponts ParisTech, and ENS Paris Saclay

LEADERSHIP EXPERIENCE

President, Télécom Paris Student Union | Palaiseau, France | April 2023 - May 2024
- Led a team of 26 to manage all aspects of student life for 1,600 students
- Oversaw an annual budget of €400,000 and organized major campus events
- Implemented initiatives to prevent alcohol-related risks, harassment, and sexual violence
- Served as the primary liaison between the student body and school administration

Treasurer, Télécom Voile (Sailing Club) | Perros-Guirec, France | June 2023 - September 2024
- Managed an annual budget of €7,000 for the school's sailing association
- Leveraged 3 years of sailing instruction experience to enhance club activities

PROFESSIONAL EXPERIENCE

Engineering Intern | Halter AG | Geneva, Switzerland | Summer 2023
- Contributed to a €200 million real estate project (Pont Rouge B2) as part of an 8-person engineering team
- Coordinated interventions between multiple stakeholders and managed on-site operations

IT Intern | Thalès Services | Paris, France | June 2017
- Assisted in preparing virtual machines for technical teams
- Gained exposure to corporate IT infrastructure and services

ACADEMIC PROJECTS

- **JPEG Grid Detection**: Developed an algorithm to detect original JPEG grids for image falsification analysis
- **Assistive Technology**: Designed an armband that converts sound to vibrations for the deaf and hard of hearing

TECHNICAL SKILLS

- **Programming:** Python, C++, Java, C
- **Areas of Expertise:** Machine Learning, Deep Learning, Image Processing, Signal Processing, Data Science

ADDITIONAL INFORMATIONS

- Languages: French (Native), English (Professional working proficiency), German (Elementary proficiency)
- Interests: Geopolitics (actively follow international relations and policy developments), Competitive sports (participate in sailing competitions and various team sports)