Ernest van Wijland

8 rue Thomas Mann, 75013 - Paris - France

📱 +33 6 52 43 82 02 • ✉ ernest.van.wijland@ens.fr
Born March 25th, 2001 • French & Dutch citizenships

Education

○ **MSc Computer Science, BSc Mathematics** — **École Normale Supérieure**
 Paris, France — *2020 – 2024*

  - Ranked 4th out of the 54 students enrolled in the MPRI (M2).
  - Graduated both the MSc (MPRI) and the BSc (double major in Mathematics and Computed Science) with highest honors.

○ **Preparatory Class** — **Lycée Louis-le-Grand**
 Paris, France — *2018 – 2020*

Publications

○ **Faster Approximation Scheme for Euclidean k-TSP** — **SoCG**
 Ernest van Wijland, Hang Zhou — *2024*

○ **Maximizing Nash Social Welfare in 2-Value Instances: Delineating Tractability** — **MOR journal**
 Akrami et al. — *2023*

○ **Maximizing Nash Social Welfare in 2-Value Instances** — **AAAI**
 Akrami et al. — *2022*

Research experience

○ **Approximating TSP generalizations** — **IRIF**
 Paris, France — *2023 – Present*

 Currently working under Claire Mathieu and Hang Zhou's supervision at IRIF on finding fast approximation schemes for generalizations of the TSP, in Euclidean spaces and general metric spaces.

○ **Euclidean CVRP, k-TSP** — **LIX (Polytechnique)**
 Palaiseau, France — *2023*

 Worked for a semester under Hang Zhou's supervision in Polytechnique on finding faster approximation schemes for the Euclidean CVRP and k-TSP.

○ **Approximating 2-WECSS** — **THL (EPFL)**
 Lausanne, Switzerland — *2022*

 Worked for a semester under Ola Svensson's supervision in the Combinatorial Optimization team at EPFL on finding a better than 2 approximation for 2-WECSS.

○ **Fair Division for additive instances** — **AGT (Max Planck Institut)**
 Sarrebruck, Germany — *2021*

 Worked for two months under Kurt Mehlhorn's supervision in the Algorithmic Game Theory team of the MPII on the Fair Division problem for additive instances.

○ **Spectrum of heavy-tailed random matrices** — **DMA (École Normale Supérieure)**
 Paris, France — *2021*

 Worked under Laure Dumaz' supervision on a paper by Ben Arous and Guionnet.

Academic achievements

MasterDev Best French Developer Contest 5th place finisher
Paris, France *2023*

- French national contest in Computer Science, with thousands of participants from every major IT company
- awarded the 5000€ Genius prize as a high scoring student

International Olympiad in Informatics Bronze medalist
Tsukuba, Japan *2018*

Dutch National Olympiad in Informatics winner
Utrecht, Netherlands *2018*

Innopolis University Olympiad in Informatics finalist
Innopolis, Russia *2018*

International Olympiad in Informatics participant
Tehran, Iran *2017*

As part of the top 4 High-School students in the Dutch National Olympiad in Informatics.

Outreach

Member of the France-IOI association
France *2018 – Present*

I am involved in organizing the Castor and Algoréa contests, in which more than 600 000 students from elementary school to high-school participate every year. I am also involved in selecting and training the best students that participate in the Informatics Olympiad.

Member of the Netherlands-IO association
Netherlands *2018 – Present*

I am involved with the computer science outreach campaign towards Dutch high-school girls and preparing the Dutch girls team for the European Girls Olympiad in Informatics.

Lecturer at the Moroccan Olympiad in Informatics training camp
Morocco *2019*

Gave algorithms lectures to Moroccan middle-school and high-school students.

Other interests

- Active Judo black belt and Tennis player.
- Practicing piano for the past 15 years, part of the chamber music club in the ENS. Founder of the Early Music section.
- Graduated from the Juvisy Music Conservatory in Music Theory, Piano and Ensemble Playing (2018).
- Minoring in Musicology at ENS.