

# Guillaume Wang

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**Phone:** +33 6 95 86 65 87

**Research interests** Optimization, machine learning, optimal transport

**Education** **EPFL** Lausanne, Switzerland  
PhD in Mathematics 2021 – Present  
Advisor: Lénaïc Chizat

**ETH Zurich** Zurich, Switzerland  
MSc in Computer Science 2019 – 2021  
GPA: 5.80 (max: 6, min: 1).

**École polytechnique** Paris-Saclay, France  
Cycle Ingénieur polytechnicien (Applied Mathematics, Computer Science)  
2016 – 2019  
GPA: 3.87 out of 4.

**Publications** **Local Convergence of Gradient Methods for Min-Max Games under Partial Curvature**  
Guillaume Wang, Lénaïc Chizat.  
*Accepted at NeurIPS 2023.*

**An Eponentially Converging Particle Method for the Mixed Nash Equilibrium of Continuous Games**  
Guillaume Wang, Lénaïc Chizat.  
*arXiv preprint, 2022.*

**Tight bounds for minimum -norm interpolation of noisy data**  
Guillaume Wang\*, Konstantin Donhauser\*, Fanny Yang.  
*International Conference on Artificial Intelligence and Statistics, 2022.*

**Research experience** Internship at **Statistical Machine Learning group**  
Mentor: Fanny Yang (ETH Zurich) Summer 2021

**Teaching experience** **Teaching assistant, Section de Mathématiques (EPFL)** Spring 2023  
MATH-450: Numerical Integration of Stochastic Differential Equations  
Exercise sessions and preparation of computational mini-project.

**Teaching assistant, Section de Mathématiques (EPFL)** Fall 2022 & 2023  
MATH-101(g): Analysis 1

**Semester projects supervision (EPFL)**

2022 – present

Talks and tutorials

*An Exponentially Converging Particle Method for the Mixed Nash Equilibrium of Continuous Games*  
March 2023  
SIGOPT 2023 International Conference on Optimization (Cottbus, Germany)

Skills

**Programming**

Proficient in: Python, Julia.

Familiar with: Matlab, Java, C, C++, Caml, javascript, GraphQL, PHP.

**Languages**

French, Chinese (native); English (fluent); German (conversational)