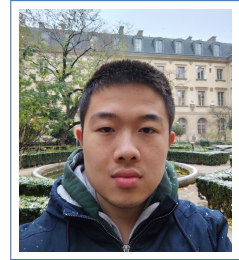


Victor Deng

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🌐 <https://www.victor-deng.fr>



Education

- 2024–2025 **Master of Science in computer science – MPRI (second year)**, *École normale supérieure – PSL*, Paris
- 2023–2024 **Master of Science in mathematics – MVA**, *École normale supérieure Paris-Saclay*, Gif-sur-Yvette (Plateau de Saclay, Paris region), Mention très bien (first class honours)
- 2021–2022 **Master of Science in computer science – MPRI (first year)**, *École normale supérieure – PSL*, Paris, Mention très bien (first class honours)
- 2020–2021 **Licence (bachelor's degree) in mathematics**, *École normale supérieure – PSL*, Paris, Mention très bien (first class honours)
- 2020–2021 **Licence (bachelor's degree) in computer science**, *École normale supérieure – PSL*, Paris, Mention très bien (first class honours)
- 2018–2020 **Classes préparatoires: MPSI and MP***, *Lycée Louis le Grand*, Paris
Intensive classes that prepare students for the French *grandes écoles*' competitive admission exams
- 2018 **Baccalauréat S (french high-school degree)**, Mention très bien (first class honours)

Work experience

- April – September 2024 **Research internship**, supervised by *Gaël Richard*, *ADASP group, LTCI, Télécom Paris*, Palaiseau (Paris region), France
Bias Correction with Pre-trained Audio Embeddings
- November 2022 – July 2023 **Research internship**, supervised by *Marc Pouzet*, *PARKAS project-team, INRIA Paris*, Paris, France
A constructive semantics in Coq for the Zélus language
- March – July 2022 **Visiting research student**, supervised by *Antonio Barbalace*, *Institute for Computing Systems Architecture, The University of Edinburgh*, Edinburgh, United Kingdom
Shared page cache for multiple-kernel operating systems
- June – July 2021 **Research internship**, supervised by *Giuseppe Di Molfetta*, *CaNa team, Laboratoire d'Informatique et Systèmes, Aix-Marseille Université*, Marseille, France
Quantum Walking over a discrete sphere
Paper published: Di Molfetta and Deng, "Geodesic quantum walks", published in Physical Review A.

Contest participation

- 2023 **ICPC World Finals contestant**, Sharm-el-Sheikh, Egypt
World finals of the ICPC programming contests ; SWERC is a regional ICPC contest

2020-2021, **SWERC contestant**
2021-2022, Programming contest for college students in southwestern Europe
2022-2023,
2024-2025

2018 **International Olympiad in Informatics – IOI**, Tsukuba, Japan, Bronze medal

2017 **Animath mathematics training camp**, Centre international de Valbonne

2015–2017 **Algoréa programming contest**, 2015–2017 finalist, 2016 winner

2017–2021 **Prologing programming contest**, 2017–2020 finalist

Skills

Programming C++, Java, Python, OCaml

Software LaTeX, Git

Proof Coq
assistants

Languages

French Mother tongue

English C1-C2 level *Cambridge English C1 Advanced test (formerly Cambridge Advanced English, CAE) taken in 2022, English scale score: 202*

Chinese Regularly spoken

Spanish B1-B2 level

Italian B1 level

Publications

Di Molfetta, Giuseppe and Victor Deng. "Geodesic quantum walks". In: *Phys. Rev. A* 105 (6 June 2022), p. 062420. DOI: 10.1103/PhysRevA.105.062420. URL: <https://link.aps.org/doi/10.1103/PhysRevA.105.062420>.

Miscellaneous

Since 2018 **France-IOI coach**

Training in algorithmics for middle and high school students during training camps organised by the association France-IOI

For around 7 Piano
years