Florian Chen

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Education

University of Oxford *Oxford, UK*
M.Sc. in Advanced Computer Science *2025 – 2026*

- Specialisation in Artificial Intelligence

Technische Universität Wien *Vienna, Austria*
B.Sc. in Software & Information Engineering *2021 – 2025*

- Specialisation in Machine Learning
- Bachelor with Honors (top 5%)
- Average Grade: 1.1 on a scale from 1-5 (1 being the best)

University of Vienna *Vienna, Austria*
Sinology *2021 – 2024*

- Completed three years of Chinese language courses (85 ECTS)
- Average Grade: 1.7 on a scale from 1-5 (1 being the best)

Research Experience

Research Assistant *Vienna, Austria*
Technische Universität Wien *Oct. 2024 – Aug. 2025*

- Formalized the problem of discovering node opinion ranges in signed (social) networks. Proved hardness results and developed scalable algorithms that yield more expressive solutions than correlation clustering baselines.
- Designed data structures for faster subset and superset counting.
- Supervised by Prof. Stefan Neumann

Research Assistant *Vienna, Austria*
Technische Universität Wien *Oct. 2023 – Apr. 2024*

- Devised efficient algorithms for interactive data visualization, enabling smooth updates to low-dimensional embeddings. Implemented them in an open-source application and conducted an experimental evaluation.
- Performed theoretic analysis of generalization properties in statistical relational learning models. Developed methods to improve generalization performance in Markov Logic Networks that outperform baseline approaches by several orders of magnitude.
- Supervised by Prof. Thomas Gärtner

Publications

Discovering Opinion Intervals from Conflicts in Signed Graphs

Peter Blohm*, ***Florian Chen****, Aristides Gionis, Stefan Neumann

Preprint, to appear at NeurIPS 2025 (Core Rank **A*, accepted as oral presentation**)

Understanding Domain-Size Generalization in Markov Logic Networks

Florian Chen, Felix Weitkämper, Sagar Malhotra

ECML-PKDD 2024 (Core Rank **A**)

Scalable Interactive Data Visualization

Florian Chen, Thomas Gärtner

ECML-PKDD 2024 (Core Rank **A**)

* denotes equal contribution

Industry Experience

GenAI Engineer - Internship   *Vienna, Austria*
Accenture   *Jul. 2024 – Sep. 2024*

- Developed LLM platforms and automation tools to streamline client processes.
- Held client workshops to identify GenAI strategies and use-cases.

Software Engineer - Internship   *Vienna, Austria*
allaboutapps   *Jul. 2021 – Sep. 2021*

- Implemented front-end user interfaces using Typescript & React.

Memorial Servant (Gedenkdiener)   *Montréal, Canada*
Holocaust Education and Genocide Prevention Foundation   *Sep. 2020 – Jun. 2021*

- Delived talks at colleges about antisemitism and dangers of discrimination.
- Produced an educational short film addressing the spread of mis- and disinformation.
- Organized conferences and symposia.

Software Engineer - Internship   *Vienna, Austria*
allaboutapps   *Jul. 2020*

- Implemented front-end user interfaces using Typescript & React.

Volunteering

Co-Founder   *Baden, Austria*
Sustainable in Baden (Nachhaltig in Baden)   *Feb. 2019 – present*

- Developed and maintained a platform to help locals in Baden consume and live more sustainably.

Head of the Archive and Statistics Team   *Vienna, Austria*
Austrian Service Abroad   *Dec. 2018 – Aug. 2020*

- Led a small team to analyze and maintain the organization's archive and statistical database.
- Devised methods to retrieve interesting patterns from the database.

Tutor   *Vienna, Austria*
Austrian Service Abroad   *Jan. 2019 - Mar. 2020*

- Mentored applicants throughout the intake process until they become program candidates.

Awards and Honors

Excellence Scholarship (20 000€), Provincial Government of Lower Austria   *2025*

Merit Scholarship (1 000€), Technische Universität Wien   *2023*

Merit Scholarship (1 500€), Technische Universität Wien   *2022*

2nd prize, Advanced Regional Competition – Mathematical Olympiad   *2020*

3rd prize, Advanced Regional Competition – Mathematical Olympiad   *2019*

Skills

Languages: German *(native)*, English *(fluent)*, Mandarin Chinese *(advanced)*, French *(beginner)*

Programming: Python, Java, Javascript/Typescript, C++, Rust, R, SQL

Tools: Git, Docker, Linux, CLI, Latex, Jupyter