CHRISTIAN CADISCH

B.Sc. Electrical Engineering **M.Sc. Computer Science**

christian.cadisch@gmail.com | christiancadisch.github.io | ChristianCadisch | Cadisch | Google Scholar

ABOUT ME

Graduate of ETH Zürich in Electrical Engineering & Computer Science, with research stints at Stanford and MIT. Currently at McKinsey, where I focus on digital & analytics strategy and transformation projects. Passionate about using tech to improve lives, from ML in life sciences to on-device sports analytics, inspired by years competing in tennis and sailing

EDUCATION

ETH Zürich – M.Sc. Computer Science 2021 - 24
- Focus on AI/ML, GPA 5.4/6.0
- Competitive programming class using C++, grade 6.0/6.0
- Master's thesis on large-scale genetic variant clustering, grade 6.0/6.0

ETH Zürich – B.Sc. Electrical Engineering 2018 - 21
- Foundations in signal processing, systems, and applied mathematics, GPA 5.4/6.0

WORK EXPERIENCE

McKinsey & Co. – Digital Consultant 2024 - present
- Specialized in data & analytics strategy projects

Stanford University – Visiting Student Researcher 2024 - 24
- Built structural clustering framework to map variant hotspots
- Scaled analysis to >1M genomes with efficient statistical framework, enabling large-scale analysis
- Integrated multi-modal inputs, linking pathogenicity predictions (AlphaMissense) to clinical data and 3D structures (AlphaFold)

Report – *Project website*

IBM Research – Machine Learning Intern 2023 - 24
- Contributed foundational research to IBM Deep Search, a patent-mining platform spanning 100M+ documents
- Developed and benchmarked models for named entity recognition

Report

Founderful Campus Fund – Student Investor 2021 - 22
- Founding Partner of first student-run Venture Capital fund in Switzerland for pre-seed investments in deep-tech startups

ETH Zürich – Teaching assistant 2019 - 21
- Taught 30 students on a weekly basis in electronic circuit design, incl. supervising and grading course work submissions

MIT – Operations Research Intern 2019 - 19
- Co-developed stroke risk prediction with mixed integer optimization
- Outperformed comparable interpretable models by ~10%

Code - *Publication*

AWARDS

Winner InCube Challenge 2021

Award for best high school graduation project (ranked #1 of 170)

Award for distinguished high school GPA (GPA 5.5/6.0)

PROJECTS

AI Tennis Coach App
iOS app using Vision framework to provide technique feedback and measure ball speed (Swift)
Code – *Project website*

Functional Genomics Paper
Provided computational validation (AlphaMissense) for functional genomics study (Python)
Code – *Preprint*

Court Reservation Bot
Automated tennis court booking with Selenium bot (Python)
Code

Aerial Virtual Reality Video
Built hexacopter and designed 3D printed camera mount for aerial VR recording (AutoPano, SketchUp)
Video

SKILLS & LANGUAGES

Programming languages
Python, Swift, C++, Julia, R

Frameworks / Tools
TensorFlow, Jax, PyTorch, SwiftUI, Apple Vision Kit, Git

Languages
German (native), English (fluent), French (professional), Italian (basic)