Nuo Chen

LEE G134, Leonhardstrasse 21 | 8092 Zurich, Switzerland nchen@student.ethz.ch Date of Birth: 16/09/1999

EDUCATION

ETH Zürich

PhD in economics

• Under supervision of Prof. Egger at Chair of Applied Economics

ETH Zürich

Master of Science in mathematics • GPA: 5.85 out of 6.0 (Swiss grade system, passing grade: 4.0)

ETH Zürich

Bachelor of Science in mathematics

Realgymnasium Rämibühl

High School diploma

Work experience

Teaching Assistant

ETH Zürich

- Give weekly lessons in Numerical Analysis I, Methods of mathematical physics, Numerical Analysis II, Analysis III (Measure Theory), and Numerical Methods (D-PHYS) to undergraduate students.
- Provide constructive feedback to students by correcting and grading weekly assignments.
- Awarded the Assistant Award for outstanding performance in Numerical Analysis I.

Tutor

Zürich, Switzerland August 2017 - June 2022

- Tutored students of different levels in mathematics, resulting in a significant improvement in their grades.
- Customized teaching methods to accommodate individual learning styles and needs.

Research projects

Master Thesis

ETH Zürich

- Supervised by Prof. Dr. Da Lio
- Titled: Viscosity solutions: Methods and Application
- Project Description: Analysis of the stability, uniqueness, existence, and regularity of viscosity solutions, uncovering their fundamental properties across a wide range of scenarios.

Semester Thesis

ETH Zürich

- Supervised by Prof. Dr. Ammari and Dr. Ping Liu
- Titled: Computational Resolution Limit for Line Spectral Estimation
- Project Description: Quantitative characterization of the resolution limits for the line spectral estimation problem under deterministic noise.
- Based on papers by Ping Liu

Bachelor Thesis

ETH Zürich

- Supervised by Prof. Dr. Da Lio
- Titled: Isoperimetric Inequalities
- Project Description: Investigation into the proof of isoperimetric inequalities on the euclidean plane and for the *n*-dimensional space case on \mathbb{R}^n , as well as its application.
- Based on papers by Giorgio Talenti, Nicola Fusco, Robert Ossermann and others
- Gave a talk about isometric inequalities in Zurich Undergraduate Collogium in Mathematics and Physics.

Zürich, Switzerland Since September 2023

Zürich, Switzerland September 2022 - August 2023

Zürich, Switzerland September 2018 - June 2022

Zürich, Switzerland August 2013 - July 2018

Zürich, Switzerland February 2021 - August 2023

Zürich, Switzerland

March 2023 - September 2023

March 2022 - July 2022

November 2022 - March 2023

Zürich, Switzerland

Zürich, Switzerland

Seminar on Partial Differential Equations

Study of important linear PDEs and a nonlinear first-order PDE

Student Seminar in Causality

Statistical and mathematical aspects of causality

LEADERSHIP EXPERIENCE AND VOLUNTEERING

MindPhair President

VMP ETH Zürich

Zürich, Switzerland September 2022 – September 2023

- Lead a team that organizes a job fair for mathematicians, physicists, and computer scientists.
- Develop and implement effective strategies for industrial outreach and organizations to participate in the event.
- Effectively communicate with team members, volunteers, and companies to ensure the successful execution of the job fair.
- Provide a high-level overview of the project, including budget and timeline, to ensure timely and successful delivery.

FREQUENTLY USED SKILLS

Languages: Chinese (Native), German (Native), English (C1), Spanish (B2), French (B1), Cantonese (A2) Programming languages: C++, MATLAB, Python Further skills: LaTeX, MS Office

ETH Zürich September 2022 - December 2022

> ETH Zürich March 2022 – June 2022