

Curriculum Vitae as of October 15, 2024

Name

Max Can Demirdilek

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Education

- 2024- *University of Hamburg, Hamburg, Germany*
Studies in Pure Mathematics (PhD) with Christoph Schweigert
- 2024 *University of Hamburg, Hamburg, Germany*
Master in Mathematics, Thesis advisor: Christoph Schweigert
Thesis title: "Surface diagrams for Grothendieck-Verdier categories"
Current average grade: "excellent". Grade of the thesis still pending.
- 2022-2024 *University of Hamburg, Hamburg, Germany*
Studies in Pure Mathematics (M.Sc.)
- 2022 *University of Hamburg, Hamburg, Germany*
Bachelor in Mathematics, Thesis advisor: Christoph Schweigert
Thesis title: "Strong linearly distributive categories are shift monoidal"
Grade of the thesis: "excellent". Final grade: "excellent"
- 2018-2022 *University of Hamburg, Hamburg, Germany*
Studies in Pure Mathematics (B.Sc.)
Complementary subject (Ergänzungsfach): Historical musicology
- 2016 *Gymnasium Klosterschule Hamburg*
High school diploma (Abitur) with final grade 1.0
Main subjects (Profilmächer): Mathematics, Physics, Computer science and Philosophy
- 2015-2016 *University of Hamburg, Hamburg, Germany*
Junior Studies (Juniorstudium) in Philosophy
Completed the course "Logik und Argumentationstheorie" with distinction
- 2014-2016 *Gymnasium Klosterschule, Hamburg, Germany*
- 2014 *Ardingly College, Ardingly, United Kingdom*
AS levels in Mathematics (A), Physics (A), Economics (A), Music (A)
- 2013-2014 *Year abroad at Ardingly College, Ardingly, United Kingdom*
- 2007-2013 *Gymnasium Klosterschule, Hamburg, Germany (secondary school)*
- 2003-2007 *Grundschule Bahrenfelder Straße, Hamburg, Germany (primary school)*

Teaching experience

- 2023-2024 Tutor for “Topologie I”
- 2023 Tutor for “Mathematik für Physiker IV”
- 2022-2023 Tutor for “Mathematik I (Lehramt Sekundarstufe)”
- 2022 Tutor for “Lineare Algebra und Analytische Geometrie II”
- 2021-2022 Tutor for “Lineare Algebra und Analytische Geometrie I”
- 2014- Private tuition for high school students and mathematics undergraduates

Awards

- 2023- Scholarship, German National Merit Foundation (Studentenstiftung des deutschen Volkes)
- 2023 Scholarship, Deutschlandstipendium, declined
- 2016 Successful participation in the International Physics Olympiad (IPhO).
Only student from Hamburg to reach the federal round (Bundesrunde) in 2016

Languages

- German: Native proficiency
- English: C1/C2
- Spanish: B2
- Turkish: B1
- Arabic: A1
- Italian: A1
- Mandarin: A1

Internships

- 2015 Two-week internship at the HR department of various research groups at the “European X-Ray Free-Electron Laser Facility GmbH” in Hamburg
- 2012 Three-week internship at “Airbus Operations GmbH” in Hamburg

Extracurricular activities

- 2022- Voluntary work as a private tutor in the non-profit “Studenten bilden Schüler e.V.”
Attendance of didactics courses as part of this activity.
- 2019- Active member of the University of Hamburg Triathlon Club (Hochschulsport).
- 2019-2022 Active participation in the Amnesty International Altona group.
- 2018 Three-month voluntary work with the charity “Hanseatic Help e.V.”
- 2015 Two-week trip to St. Petersburg, Russia, as part of a workcamp of “Internationale Jugendgemeinschaftsdienste (ijgd)”.
- 2015 Participation in an exchange project with a high school in Istanbul, Turkey. The project revolved around various topics in the history of mathematics and physics.
- 2014 & 2015 Participation in the Model United Nations in Espergærde, Denmark, as a delegate.
- 2014 Two-week trip to The Gambia. Part of an exchange project with various Gambian schools.
- 2012 Participation in the event “Zukunftsdialog” at the German Chancellery.