Shengdi
Chen

me@shengdichen.xyz[pgp] │ shenchen@ethz.ch

Gender: Male
DoB: 09. Oct. 1997
Site: shengdichen.xyz
Mobile: +41 76 465 65 86

Stettbachstrasse 43
8057 Zürich
Schweiz

Skills and Interests

- Competence in Computational Science & Applied Mathematics; Training in Natural Sciences

- Fluent in English, German and Mandarin; proficient in French and Cantonese; conversational in Russian, Spanish, Italian and Arabic (MSA)

- Wide range of hobbies: from 20 years' experience in violin-playing to BlackBerry and ThinkPad Collection

Education

Secondary School

Shanghai Foreign Language School	Sep. 09 ⇀ Jul. 13

High School

Shanghai Foreign Language School	Sep. 13 ⇀ Sep. 14
Privates Internatsgymnasium Schloss Torgelow	Oct. 14 ⇀ Jun. 17

B.Sc.[1] & M.Sc.[23]

Computational Science and Engineering[4]	Sep. 17 ⇀ Jul. 24
(Rechnergestützte Wissenschaften =: RW)	(projected for current studies)
D-MATH, Swiss Federal Institute of Technology in Zurich (ETH Zürich)	

---

[1] B.Sc. Thesis (6.0/6.0): Mastering Tetris with Reinforcement-Learning; supervised by Prof. Dr. J. Buhmann, D-INFK.
[2] (M.Sc.) Semester Thesis: An Empirical Study of Primal Wasserstein Imitation-Learning in Goal-Conditioned RL; supervised by Prof. Dr. J. Buhmann, D-INFK.
[3] M.Sc. Thesis [Source Code]: (currently ongoing) Operator Learning with Dynamic Masking; supervised by Prof. Dr. S. Mishra, D-MATH.
[4] Specialization: Control Theory (major) & Robotics (minor).

Employment

Internship

Software Developer   Jul. 15
META Motoren- und Energie-Technik GmbH

Market Researcher   Jul. 17 ⇀ Aug. 17
Vanke Co., Ltd.

Part-time Position

Control Theoretician & Software Developer   Sep. 17 ⇀ ★
Department of Speech Pathology & Audiology, East China   (ongoing engagement)
Normal University

Patents

Granted

»Methods of Establishing Prediction-Models of   Sep. 21
Rehabilitation Efficacy of Child Autism«
ZL 2021 1 0111675.3

Pending

»A management system for correction and treatment of   Jan. 22
speech sound disorders in Mandarin Chinese for
evaluation subjects of autism spectrum disorder«
202210056668.2 | 2026CN-PHD212448

»An intelligent recommendation and delivery method of   Jan. 22
speech-training solutions of Mandarin Chinese«
202210056677.1 | 2026CN-PHD212449

»A generating system for correction and treatment   Jan. 22
solutions of speech sound disorders pertaining to the "b"
consonantal sound«
202210055402.6 | 2026CN-PHD212450

»A generating system for correction and treatment   Jan. 22
solutions of speech sound disorders pertaining to the "m"
consonantal sound«
202210056675.2 | 2026CN-PHD212451

»Methodologies and Systems for generating characteristic   Jan. 22
encodings of speech sound disorders of consonantal
sounds«
202210055395.X | 2026CN-PHD212452

»Handling methodologies for data lookup and database systems for correction and treatment of speech sound disorders of consonantal sounds«   Jan. 22
202210056665.9 | 2026CN-PHD212453

»An analysis system for speech sound disorders of consonantal sounds based on speech recognition«   Jan. 22
202210056678.6 | 2026CN-PHD212454

»A generating system for correction and treatment solutions of speech sound disorders pertaining to the "d" consonantal sound«   Jan. 22
202210055400.7 | 2026CN-PHD212455

»Methodologies and Systems for digitalization of development history of autism children, prediction of occupational prospects and effect evaluation of treatment classes«   Sep. 22
202211094680.9 | PHD-220542

Academic Achievements

Scholarship

Admission to German Academic Scholarship Foundation[5]   Dec. 17
(Studienstiftung des deutschen Volkes)

Publication

»Evaluation and Training of Social Ability of Children with Autism Based on Robot Technology«   Jun. 21
China Educational Technology & Equipment, 1671–489X

Mathematics

Perfect Score   Oct. 10
AMC 8 (American Mathematics Competition 8)

Finalist   Jan. 14
2013 HiMCM (COMAP's High School Mathematical Contest in Modeling)

Honorable Mention   Apr. 14
2014 MCM (COMAP's Mathematical Contest in Modeling)

State Gold Medalist & Champion   Feb. 15
54th German Mathematics Olympics (Mathematik-Olympiade)

---

[5] No monetary funding due to non-German nationality and non-German University for B.Sc. Studies. [Contact: Dr. R. Hain | hain@studienstiftung.de]

National Silver Medalist   Jun. 15
54th German Mathematics Olympics (Mathematik-Olympiade)

6th Global Team Ranking   Nov. 15
26th Baltic Way Mathematical Team Contest

State Gold Medalist & Champion   Feb. 16
55th German Mathematics Olympics (Mathematik-Olympiade)

2nd Prize   May. 16
First Round: Federal Contest of Mathematics of Germany
(Bundeswettbewerb Mathematik)

1st Prize   May. 16
Math Kangaroo Competition (Känguru der Mathematik)

State 3rd Prize   Feb. 17
56th German Mathematics Olympics (Mathematik-Olympiade)

Languages

Participation as Ambassador   Jan. 16
48th THIMUN

Grade A   Jun. 16
CPE (Certificate of Proficiency in English), CEFR C2

Goethe-Zertifikat   Sep. 16
Grosses Deutsches Sprachdiplom, CEFR C2

National 2nd Prize   Sep. 16
2016 Federal Contest of Foreign Languages of Germany
(Bundeswettbewerb Fremdsprachen)

National 1st Prize & Champion[6]   Sep. 17
2017 Federal Contest of Foreign Languages of Germany
(Bundeswettbewerb Fremdsprachen)

Management

Business@school   Aug. 15 ⇀ Jun. 16

TOPSIM: General Management   Jun. 16

---

[6] Automatic admission to German Academic Scholarship Foundation (Studienstiftung des deutschen Volkes).