

# Zonggen Li

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## Education

<b>University of Munich (LMU Munich)</b>	Munich, Germany
Bachelor of Science in Computer Science ( <i>Minor</i> : Computational Linguistics)	Apr. 2021 - Present
GPA: 1.3/1.0 ( <b>Highest Honours</b> )	
<b>Technical University of Dresden</b>	Dresden, Germany
German intensive course (A2 - C1)	Nov. 2019 - Mar. 2021

## Skills

<b>Domain</b>	Java, C/C++, Python, Haskell, SQL, C#, R, Git, Shell, $\LaTeX$ , Markdown
<b>ML/AI Frameworks</b>	NLTK, Scikit-Learn, TensorFlow, Keras, PyTorch
<b>Languages</b>	Mandarin (native); English (fluent); German (fluent); Japanese (elementary)

## Publications

- [1] Xu Gu, Peng Lu, **Zonggen Li**, et al. “AGCVT-Prompt: A Prompt Learning Method for Automatically Generating Chain of Thought and Verbalize”, *Engineering Applications of Artificial Intelligence*. [\[Link\]](#)
- [2] Kunlin Xie, **Zonggen Li**, Yuhang Dai, et al. “Sweeping Robot Path Planning Based on Heuristic Search Algorithm”, *Journal of Xihua University (Natural Science Edition)*. [\[Link\]](#)

## Academic Experience

<b><i>Exploring the Gap between Unsupervised, Semi-Supervised, and Active Domain Adaptation Methods</i></b>	University of Munich
Undergraduate Dissertation; Advisor: Prof. Dr. Thomas Seidl (Chair of Database Systems and Data Mining)	Aug. 2023 - Jan. 2024
• The efficiency gap between the two in different scenarios is explored by experimentally quantifying some of the current mainstream active and unsupervised domain adaptation methods.	
<b><i>A Review of Differential Evolution</i></b>	University of Munich
Seminar Report; Advisor: Prof. Dr. Eyke Hüllermeier (Chair of AI and Machine Learning)	Oct. 2022 - Mar. 2023
• Researched the procedures and applications of evolutionary algorithms, in particular Differential Evolution algorithm.	
<b>Symbolic Programming &amp; Computational Linguistic Applications</b>	University of Munich
Term Project; Advisor: Prof. Dr. Barbara Plank (Chair of AI and Computational Linguistics)	Apr. 2022 - Apr. 2023
• Tackled NLP tasks, such as Sentiment Analysis, Parsing/Chunking, Relation Extraction, Named Entity Recognition, Semantic Analysis, Word Sense Disambiguation and Coreference Resolution.	
<b><i>Effects of the choice of information retrieval models on ranking</i></b>	Bundeswehr University Munich
Curriculum Paper; Advisor: Prof. Dr. phil. Michaela Geierhos (Professor of Data Science)	Apr. 2021 - Aug. 2021
• By analyzing the advantages and disadvantages of different models (i.e.: boolean, vector space and probabilistic models), their applicable ranking is discussed. And the future direction of information retrieval models is discussed based on the characteristics of each model.	

## Awards and Honors

Oct. 2023	<b>Scholarship:</b> Deutschlandstipendium (Germany National Scholarship, 1.5%)	Germany
Oct. 2022	<b>Scholarship:</b> Deutschlandstipendium (Germany National Scholarship, 1.5%)	Germany
Jun. 2019	<b>Contest:</b> The 3rd Prize in the ”9th MathorCup University Mathematical Modelling Challenge”	China
Sept. 2018	<b>Honorary Title:</b> “Outstanding Volunteer of Advanced Seminar Series on Intelligent Automation (ASSIA)”	China
May. 2018	<b>Contest:</b> The 3rd Prize in the ”8th MathorCup University Mathematical Modelling Challenge”	China

## Additional

<b>Teaching &amp; Research Assistant</b>	
Munich AI & NLP Research Lab	Aug. 2023 - Present
Assisted Prof. Dr. Barbara Plank in NLP-related courses and seminars:	
WS 23/24: Formal Language, Symbolic Programming	
SS 2024: Computer-assisted Morphology, Linguistic Annotation Frameworks & Lexical Semantics	
<b>Peer Reviewer</b>	
Journal: Data Intelligence	Jun. 2023 - Present
offered suggestions for improvement and revision	
<b>Amazon Future Engineer Mentoring-Programm</b>	
Mentee	Feb. 2023 - Present



Li, Zonggen  
Geboren am 01.10.1998 in Qingdao  
Matrikelnummer: 12355870

München, den 9. März 2024

**Studiengang: Bachelor Informatik**

**Nebenfach: Computerlinguistik**

**Leistungsnachweis gemäß Prüfungsordnung der Ludwig-Maximilians-Universität München für den Studiengang Bachelor Informatik vom 29. September 2010**

Modul	Prüfungsleistung	Semester	Note	Status	ECTS	ECTS
<b>Hauptfach Informatik</b>						
P 1	Einführung in die Programmierung (Vorlesung & Übung, 4+2 SWS)	WS 21/22	1.7	BE	9	9
P 2	Programmierung und Modellierung (Vorlesung & Übung, 3+2 SWS)	SS 21	1.0	BE	6	6
P 3	Algorithmen und Datenstrukturen (Vorlesung & Übung, 3+2 SWS)	SS 21	1.0	BE	6	6
P 4	Rechnerarchitektur (Vorlesung & Übung, 3+2 SWS)	SS 21	1.0	BE	6	6
P 5	Betriebssysteme (Vorlesung & Übung, 3+2 SWS)	WS 21/22	1.0	BE	6	6
P 6.1-2	Rechnernetze und verteilte Systeme (Vorlesung & Übung, 3+2 SWS)	SS 22	3.7	BE	6	6
P 7	Softwaretechnik (Vorlesung & Übung, 3+2 SWS)	WS 23/24	2.7	BE	6	6
P 8	Formale Sprachen und Komplexität (Vorlesung & Übung, 3+2 SWS)	SS 22	1.7	BE	6	6
P 9	Formale Spezifikation und Verifikation (Vorlesung & Übung, 3+2 SWS)	WS 22/23	1.0	BE	6	6
P 10	Datenbanksysteme (Vorlesung & Übung, 3+2 SWS)	WS 21/22	1.0	BE	6	6
P 12	Logik und Diskrete Strukturen (Vorlesung & Übung, 3+2 SWS)	SS 21	1.0	BE	6	6
P 6.3	<b>Seminar zu ausgewählten Themen der Informatik</b> Proseminar Evolutionary Algorithms (Seminar, 2 SWS)	WS 22/23	2.3	BE	3	3
<b>Wahlbereich: Praktika</b>						
WP 2	Systempraktikum (Vorlesung & Praktikum, 2+9 SWS)	WS 22/23	1.0	BE	12	12
<b>Bereich: Mathematik</b>						
WP 10	Analysis für Informatiker (Vorlesung & Übung, 4+2 SWS)	WS 21/22	1.7	BE	9	9
WP 11	Lineare Algebra für Informatiker (Vorlesung & Übung, 3+2 SWS)	WS 21/22	1.0	BE	6	6
WP 43	Stochastik und Statistik (Vorlesung & Übung, 4+2 SWS)	SS 22	1.0	BE	9	9
WP 25	<b>Fachübergreifende Kompetenzen</b>					
WP 25.2	Praktikum im Bereich IT-Support bei Guangzhou HuaHeChen Information Technology Co., Ltd. (China)	SS 22		AK		3
WP 25.3	Starting Up – From Ideas to Successful Business	WS 22/23		AK		3
WP 25.4	Scientific Writing (Online-Kurs, 2 SWS)	SS 22		BE	3	3
<b>Vertiefende Themen der Informatik für Bachelor</b>						
	Multimedia-Programmierung (Vorlesung & Übung, 2+3 SWS)	SS 22	3.0	BE	6	6
	Mensch-Maschine-Interaktion (Vorlesung & Übung, 3+2 SWS)	SS 22	3.7	BE	6	6
	Data Mining Algorithmen I (Vorlesung & Übung, 3+2 SWS)	WS 23/24	3.3	BE	6	6
<b>Anwendungsfach Computerlinguistik</b>						
WP 40	Einführung in die Computerlinguistik (Vorlesung & Übung, 3+1 SWS)	WS 21/22	1.0	BE	6	6
WP 41	<b>Programmieren linguistischer Anwendungen</b>					
WP 41.1	Symbolische Programmiersprache (Vorlesung, 2 SWS)	WS 22/23	1.0	BE	3	3
WP 41.2/3	Computerlinguistische Anwendungen (Vorlesung & Übung, 3+2 SWS)	SS 22	1.3	BE	9	9
WP 42	Information Retrieval (Kurs & Seminar, 3+1 SWS)	SS 21		BE	6	6
WP 43	Syntax natürlicher Sprachen (Vorlesung & Übung, 2+2 SWS)	WS 22/23	1.3	BE	6	6

Fortsetzung der Auflistung auf nächster Seite

Modul	Prüfungsleistung	Semester	Note	Status	ECTS	ECTS
P 13	<b>Bachelormodul</b>					
P 13.1	Bachelorarbeit: Exploring the Gap between Unsupervised, Semi-Supervised, and Active Domain Adaptation Methods	WS 23/24	<b>2.3</b>	BE	12	<b>12</b>
P 13.2	Disputation	WS 23/24	<b>3.0</b>	BE	3	<b>3</b>
<b>Ende der Auflistung – Gesamtnote / Summe der ECTS-Punkte:</b>			<b>1.34</b>		174	<b>180</b>

### Erläuterungen zur Leistungstabelle

**Modul:** Bezeichnung des Moduls oder Teilmoduls gemäß Prüfungsordnung

**Prüfungsleistung:** Bezeichnung der Prüfungsleistung

**Semester:** Semester des Leistungserwerbs bzw. der Leistungsverbuchung

**Note:** Die Leistungen in den einzelnen Prüfungsgebieten werden bezeichnet mit 1=sehr gut; 2=gut; 3=befriedigend; 4=ausreichend; 5=nicht ausreichend; keine Angabe = ohne Benotung. Zur differenzierteren Bewertung der Leistung können die Notenziffern erniedrigt oder erhöht werden. Bewertungen kleiner als 1,0 und größer als 5,0 sind ausgeschlossen. Die Gesamtnote ergibt sich als arithmetisches Mittel der verbuchten Modul- bzw. Teilmodulnoten gewichtet nach ECTS-Punkten, wobei nur die fettgedruckten Noten in vollem Umfang berücksichtigt sind.

**Status:** BE=bestanden; AK=anerkannte Leistung; AN=angemeldet; NB=nicht bestanden; EN=endgültig nicht bestanden

**ECTS:** Punkteanzahl nach dem European credit transfer system. Die letzte Spalte (fettgedruckt) gibt den gegenwärtigen Stand der im Studiengang verbuchten Punkteanzahl an, die vorletzte Spalte die Punkteanzahl der eingebrachten Leistungen unabhängig vom Studiengang. Eingeklammerte ECTS-Punkte dienen lediglich der rechnerischen Zuordnung.

**Alle erforderlichen Prüfungen im Studiengang Bachelor Informatik sind erfolgreich absolviert. Die Gesamtnote ist 1.34.**

**Eine Kopie dieses Ausdrucks ist unter der links unten stehenden ID beim zuständigen Prüfungsamt hinterlegt.**

Florian Lang  
Sachbearbeiter Prüfungsamt Informatik



Li, Zonggen  
born 01.10.1998 in Qingdao  
Student ID: 12355870

Munich, 9. März 2024

Program: Bachelor Computer Science

Minor: Computational linguistics

**Transcript of Records in accordance with the examination regulations for the Bachelor's program in Computer Science issued on September 29, 2010**

Module	List of credit courses	Semester	Grade	Status	CP	CP
<b>Major: Computer Science</b>						
P 1	Introduction to programming (lecture & exercise)	WS 21/22	1.7	PA	9	9
P 2	Programming and modeling (lecture & exercise)	SS 21	1.0	PA	6	6
P 3	Algorithms and data structures (lecture & exercise)	SS 21	1.0	PA	6	6
P 4	Computer architecture (lecture & exercise)	SS 21	1.0	PA	6	6
P 5	Operating systems (lecture & exercise)	WS 21/22	1.0	PA	6	6
P 6.1-2	Computer networks and distributed systems (lecture & exercise)	SS 22	3.7	PA	6	6
P 7	Software engineering (lecture & exercise)	WS 23/24	2.7	PA	6	6
P 8	Formal languages and complexity (lecture & exercise)	SS 22	1.7	PA	6	6
P 9	Formal specification and verification (lecture & exercise)	WS 22/23	1.0	PA	6	6
P 10	Database systems (lecture & exercise)	WS 21/22	1.0	PA	6	6
P 12	Logic and discrete structures (lecture & exercise)	SS 21	1.0	PA	6	6
P 6.3	<b>Seminar on General Topics of Computer Science</b> Basic seminar on evolutionary algorithms (seminar)	WS 22/23	2.3	PA	3	3
<b>Elective Domain: Practical Training</b>						
WP 2	Practical course operating systems (lecture & practical)	WS 22/23	1.0	PA	12	12
<b>Domain: Mathematics</b>						
WP 10	Analysis for computer scientists (lecture & exercise)	WS 21/22	1.7	PA	9	9
WP 11	Linear algebra for computer scientists (lecture & exercise)	WS 21/22	1.0	PA	6	6
WP 43	Stochastics and statistics (lecture & exercise)	SS 22	1.0	PA	9	9
WP 25	<b>Soft- and Hardskills</b>					
WP 25.2	Internship (IT Support) at Guangzhou HuaHeChen Information Technology Co., Ltd. (China)	SS 22		TR		3
WP 25.3	Starting Up – From Ideas to Successful Business	WS 22/23		TR		3
WP 25.4	Scientific Writing (online course)	SS 22		PA	3	3
<b>Advanced topics in computer science for bachelor</b>						
	Multimedia programming (lecture & exercise)	SS 22	3.0	PA	6	6
	Human-computer interaction (lecture & exercise)	SS 22	3.7	PA	6	6
	Data mining algorithmen 1 (lecture & exercise)	WS 23/24	3.3	PA	6	6
<b>Minor: Computational Linguistics</b>						
WP 40	Introduction to computational linguistics (lecture & exercise)	WS 21/22	1.0	PA	6	6
WP 41	<b>Programming of linguistic applications</b>					
WP 41.1	Symbolic programming (lecture)	WS 22/23	1.0	PA	3	3
WP 41.2/3	Computational linguistic applications (lecture & exercise)	SS 22	1.3	PA	9	9
WP 42	Information retrieval (course & seminar)	SS 21		PA	6	6
WP 43	Syntax of natural languages (lecture & exercise)	WS 22/23	1.3	PA	6	6

Listing continued on next page

Module	List of credit courses continued	Semester	Grade	Status	CP	CP
P 13	<b>Examination module</b>					
P 13.1	Bachelor's Thesis: Exploring the Gap between Unsupervised, Semi-Supervised, and Active Domain Adaptation Methods	WS 23/24	<b>2.3</b>	PA	12	<b>12</b>
P 13.2	Viva Voce	WS 23/24	<b>3.0</b>	PA	3	<b>3</b>
<b>End of transcript – Overall grade / Total of credit points:</b>			<b>1.34</b>		174	<b>180</b>

### Explanations of the listing

**Grades** on each piece of work are indicated as: 1 = very good; 2 = good; 3 = satisfactory; 4 = sufficient; 5 = not sufficient. To guarantee a higher degree of differentiation, grades may be decreased or increased. Grades better than 1.0 and worse than 4.0 (except 5.0) are not possible. The overall grade is computed as the arithmetic mean of the graded courses weighted according to credit points; only the grades in bold face are fully considered.

**Status:** PA=passed; TR=transferred; SU=signed up; FA=failed; TF=totally failed

**CP:** credit points according to the ECTS (European Credit Transfer System). In the second last column the credit points of each listed course is given, the last column (bold face) displays the credit points imputed according to the underlying degree program.

**The student has passed all required examinations in the program. The overall grade is 1.34.**

**A copy of this print-out is kept by the examination office in charge under the ID given bottom left.**

Florian Lang  
Official in Charge  
Examination Office Computer Science