

Changkun Ou, Ph.D.

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Online version: <https://changkun.de/s/resume>

Last updated: February 1, 2026

Staff Engineer | Ph.D. in Computer Science, LMU Munich

Leading organization-wide AI transformation across revenue management, customer service, B2B sales, and SRE. Architecting enterprise AI platforms while delivering measurable business outcomes including 2.5% margin uplift through human-in-the-loop optimization. Research background in human-AI interaction (310+ citations, h-index 9), combining theoretical insight with robust engineering to build scalable production systems. See [Research Portfolio](#).

Resume

@changkun 

changkun.de 

EDUCATION

Ph.D. Media Informatics (Dr. rer. nat.)

LMU Munich

- Thesis: *"The Intelligence in the Loop: Empirical Explorations and Reflections"*, *Magna cum Laude*
- Advisor: Prof. Dr.-Ing. Andreas Butz

Master Student Human-Computer Interaction (M.Sc.)

LMU Munich; overall grade: 1.63 (max. 1.0) "Very Good"

- Thesis: *"Understanding and Predicting Web Browsing Behavior"*
- Advisors: Dr. Daniel Buschek, Dr. Malin Eiband, Prof. Dr. Heinrich Hufmann

Bachelor Student Computer Science and Engineering (B.Eng.)

Southwest University for Nationalities; overall grade: 3.74 (max. 4.0), ranked 1st of 154 students

- Thesis: *"Designing Alternative Contact-free Control Modalities for Smart Watches"*
- Advisor: Prof. Dr. Yaxi Chen

Feb. 2019 – Apr. 2023

Munich, Germany

Oct. 2016 – Jan. 2019

Munich, Germany

Sep. 2012 – Jul. 2016

Chengdu, China

RECENT PROFESSIONAL EXPERIENCE

Staff Engineer (promoted from Software Engineer)

Sixt SE

Sep. 2022 – Present

Munich Pullach, Germany

- As AI transformation lead: Leading organization-wide AI transformation across revenue management, customer service, B2B sales, and SRE platform domains.
- As AI platform lead: Architected enterprise AI platform: AI chat interface, self-service agent builder, company-wide agent framework with eval pipeline, centralized LLM gateway, knowledge management system, workflow orchestration, low-code platform, and document processing pipeline.
- As engineer: Led 637+ PRs across 50+ repositories in 2025; built competition-based pricing, compliance infrastructure, AI security and governance; designed revenue optimization systems driving 2.5% margin uplift; made yield systems 300x faster enabling 10x business scale.
- As mentor: Mentored engineers through technically challenging projects and actively contributed to building and scaling high-performing engineering teams.

Research Associate, Lecturer

LMU Munich

Apr. 2018 – Mar. 2023, Apr. 2024 – Present

Munich, Germany

- As lecturer: Supervised 18 students in conducting scientific research
- As researcher: Researched human-in-the-loop machine learning for 3D graphics systems
- As teacher: Taught 12 classes (as lecturer/instructor/assistant/tutor) and supervised 20+ student theses and seminars
- As developer: Developed a 3D mesh processing backend system in collaboration with industry partner **WAY digital solutions**; developed, migrated, and maintained a 17-year-old **university CMS system** and a 13-year-old **collaborative system**

PUBLICATIONS

- F. Chiossi, L. Haliburton, **C. Ou**, et al. 2023. *Short-Form Videos Degrade Our Capacity to Retain Intentions*. ACM CHI '23. (112 citations)
- D. Dietz, ..., **C. Ou**, et al. 2022. *Walk This Beam: Impact of Balance Assistance Strategies and Height Exposure on Performance in VR*. ACM VRST '22. **Q Best Paper Award**. (24 citations)
- **Changkun Ou**, et al. 2022. *The Human in the Infinite Loop: Revealing and Explaining Human-AI Interaction Loop Failures*. ACM MuC '22. **Q Honorable Mention**. (15 citations)
- **Changkun Ou**, et al. 2023. *The Impact of Expertise in the Loop for Exploring Machine Rationality*. ACM IUI '23. (12 citations)
- **Changkun Ou**. 2021. *Modern C++ Tutorial: C++11/14/17/20 On the Fly*. <https://changkun.de/modern-cpp>. (12k+ GitHub stars)
- Q. Rao, **C. Ou**. 2022. *The Handbook of Go Programming Interviews*. China Machine Press. ISBN: 9787111702429.

Full list: changkun.de/research (15+ papers, 310+ citations, h-index 9).

See [my research page](#) or [Google Scholar](#) for more details.

EXPERTISE AND SKILLS

- **Domain:** *LLM-based AI; Machine learning* (pytorch/sklearn/tensorflow/etc); *Data analysis* (numpy/seaborn/pandas/etc.); *Computer graphics* (3D rendering and geometry processing, Blender/OpenGL/Metal/three.js); *Web development* (Go/React/etc.).
- **Language:** *Go* (9+ years); *Python* (7+ years); *LaTeX* (10+ years); *C/C++* (5+ years); *JavaScript/TypeScript* (5+ years).; I speak native Mandarin; fluent professional English; elementary German.

SCHOLARSHIPS AND AWARDS

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|---|-----------------------|
| ACM SIGCHI Gary Marsden Travel Awards | Jan. 2023 |
| <i>Full Travel Support</i> | |
| ACM Symposium on Virtual Reality Software and Technology | Nov. 2022 |
| <i>Best Paper Award</i> | |
| ACM SIGCHI Mensch und Computer | Sep. 2022 |
| <i>Honorable Mention Award</i> | |
| China National Scholarship | Sep. 2016 |
| <i>University of Electronic Science and Technology of China</i> | <i>Chengdu, China</i> |
| China National Scholarship | Sep. 2014 |
| <i>Southwest University for Nationalities</i> | <i>Chengdu, China</i> |
| Meritorious Winner in Mathematical Contest in Modeling (MCM) | Apr. 2014 |
| <i>Top 9% internationally</i> | |

ACADEMIC SERVICE

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| Associate Chair (Understanding People, Computational Interaction) | CHI '24-'26 |
| <i>ACM CHI Conference on Human Factors in Computing Systems</i> | |
| Associate Chair (Human-Centred Intelligent Interactive Systems) | INTERACT '25 |
| <i>IFIP TC13 International Conference on Human-Computer Interaction</i> | |

OPEN SOURCE

Top-200 most active developer in Germany by public contributions. 20.8k+ GitHub stars, 14.9k+ commits across 20+ projects.

- **Go Language (organization member)**: One of 163 official members; current maintainer of x/mobile repository; active contributor to the language runtime and standard library.
- **Fyne (organization member)**: One of 12 core members of this cross-platform GUI framework (24k+ stars); contributing to graphics drivers and performance.
- **golang.design (founder)**: Founded organization hosting 25+ software projects with 6 core members; 465k+ page views since 2020.
- **TalkGo Community (core member)**: Tech talk community with 6.3k+ YouTube subscribers; contributed 7 talks among the most viewed.
- **Notable contributions**: [LibreChat](#), [mcp-go](#), [TensorFlow](#), etc.
- **Selected packages**: [clipboard](#) (1k+ stars, 2.8k+ dependents), [hotkey](#), [mainthread](#) - cross-platform Go libraries for GUI/system programming.