

QIANG LI

Email ◇ LinkedIn ◇ Personal Website <https://qiangli.de>

EDUCATION

ETH Zürich, IDEA Research Grant Student, GPA: 1.7/1.0 (Best) November 2019 - August 2020
RWTH Aachen, M.Sc. Informatik, GPA: 2.2/1.0 (Best) October 2017 - October 2020
Hefei University of Technology, B.Sc. IoT Engineering, GPA: 3.6/4.0 (Best) September 2012 - June 2016

WORK EXPERIENCE

Accenture Since June 2021 -
Associate Manager • Toolkits: LLM/VLM/Agentic AI, RAG, SAFe®, MLOps Dusseldorf, Germany

- **GenAI Data Scientist / SME — Roche RICI Project (since September 2024):** Own subject-matter and R&D topics for LLM, VLM and Agentic AI on derivative content generation, video, compliance and text-composition initiatives. Researched, evaluated and implemented new AI approaches for concrete use cases spanning, content searching, video summarization, video reasoning, agentic orchestration and VLM/LLM personalization, translating research idea into technical delivery and business value. Shipped production tools including **Content Finder, Video Clips, Content Optimizer and US MLP Composer**. Co-authored **3 R&D ACL'26 papers** and supported an **EPO patent filing approval** for client. Work was recognized by the client as key SME, and project featured in (LinkedIn) and in (Forbes).
- **Value Realization & GTM:** Supported business-case development and stakeholder alignment for **\$2.5M** in tracked deal wins within life sciences account, e.g. Digital Content Lab framework contract. Connected technical roadmaps with commercial outcomes through value tracking, ROI framing, North Star mapping, Kanban-board planning, refinement workshops, Define and Design activities, and client-facing storytelling for non-technical stakeholders. Certified SME in PO and GTM strategy, supported proposals for **19 GenAI** and CV initiatives across OEM and industrial sectors, winning **6 RFPs** valued over **€1M**.
- **Solution Architecture & Innovation:** Delivered end-to-end architectures for machine learning, computer-vision inspection, and LLM/VLM solutions, with research published at **NeurIPS'22, ICLR'21/22, ICASSP'23, CVPRw'24, NAACL'25 and ACL'26**. Led the cross-plant delivery of an AI-driven quality-inspection pipeline for BMW's **AIQX** platform, supporting **30+ end-to-end manufacturing AI use cases across 10+ global plants** and featured by CNBC. Demonstrated end-to-end usecase ownership, from PoC and solution design to multi-site enterprise rollout (1/3 RollOut Team Lead).

Sinovation Ventures September 2020 - December 2020
AI Research Intern. GitHub • Toolkits: Django, GPT Remote, Germany

- Focused on **Bert, GPT-2/3 models**, enhanced the performance of GPT-based models and CPM (Chinese pre-trained model) in 10 business scenarios.
- Responsible for the whole backend Django server and wrote a **technical report** about the **industrial application of GPT-3**.

ETH Zurich IMSB Prof. Dr. Manfred Claassen Group November 2019 - August 2020
Masterand. GitHub • Toolkits: PyQt, YOLO, GhostNet, FasterRCNN Zurich, Switzerland

- Finished the master thesis: Cell Morphology Based Diagnosis of Cancer using Convolutional Neural Networks, rewarded by IDEA League Research Grant **€3,600** from RWTH and ETH Zürich.
- The paper on cell annotation for single-cell morphology data has been accepted for poster presentation and a 2-minute spotlight talk at **ICLR 2021 AI for Public Health Workshop**.

- Responsible for the R&D of Siemens Mindsphere Maintenance MVP Application, covering topic of data acquisition, image processing, aggregation and analysis for additive manufacturing process.
- Designed PCA, K-Mean and colorspace template matching algorithms for object detection and segmentation. Invited talk **In Process Control and In Situ Monitoring for AM** at the **ICAM 2020**.

SELECT PUBLICATIONS

- S. Mishra, **Q. Li**, S. Patil, S. Pati, B. Narendra. *Scaling Vision Language Models for Pharmaceutical Long Form Video Reasoning on Industrial GenAI Platform*. **Spotlight at ACL 2026 Advances in Language and Vision Research Workshop**, 05.2026.
- S. Mishra, **Q. Li**, S. Patil, A. Girdhar. *From Understanding to Engagement: Personalized pharmacy Video Clips via Vision Language Models (VLMs)*. **Poster at ACL 2026 CustomNLP Workshop**, 05.2026.
- Q. Li**, M. Tan, X. Zhao, D. Zhang, D. Zhang, S. Lei, A. S. Chu, L. Li, and P. Kamnoedboon. *How LLMs React to Industrial Spatio-Temporal Data? Assessing Hallucination with a Novel Traffic Incident Benchmark Dataset*. **NAACL**, Full Paper, 05.2025, pp. 36–53, Albuquerque, USA.
- Q. Li**, D. Zhang, S. Lei, X. Zhao, S. Li, P. Kamnoedboon, W. Li, J. Dong and S. Li. *XIMAGENET-12: An Explainable AI Benchmark Dataset for Model Robustness Evaluation*. **CVPRw**, Full Paper, 04.2024.
- E. Ozmermer, **Q. Li**. *Self-supervised Learning with Temporary Exact Solutions: Linear Projection*. The 21st IEEE International Conference on Industrial Informatics (**INDIN**), Full Paper, 05.2023.
- Z. Jia, **Q. Li**, Y. Lin, Y. Zhou, X. Cai, P. Zheng and J. Wang. *Exploiting Interactivity and Heterogeneity for Sleep Stage Classification via Heterogeneous Graph Neural Network*. The IEEE International Conference on Acoustics, Speech, and Signal Processing (**ICASSP**), Full Paper, 02.2023.
- Q. Li**, C. Zhang. *Continual learning on deployment pipelines for Machine Learning Systems*. The Conference on Neural Information Processing Systems (**NeurIPS**), (DMML) Workshop, 10.2022.
- Q. Li**, R. Hashmi. *Explainable AI: Object Recognition With Help From Background*. The International Conference on Learning Representations (**ICLR**), (CSS) Workshop, 05.2022.
- Q. Li**, O. Corin, L. Xu. *All You Need Is Cell Attention: A Cell Annotation Tool for Single-Cell Morphology Data*. The International Conference on Learning Representations (**ICLR**), (AI4PH) Workshop, 03.2021.

HONORS AND CERTIFICATIONS

The Certified AI-Empowered SAFe® 6 Product Owner / Product Manager — Score 98/100, 2025
 The Certified Reinvention with Agentic AI Learning Program by Accenture and Stanford HAI, 2026
 The Accenture Trained Architecture Foundation (TAF) Program, Certified TTA, 2023
 The AWS Certified Cloud Practitioner in August, 2021
 The RWTH Stipend in IDEA League Research Grant, 2020
 The Siemens Statistic/Six Sigma training, Yellow Belt Certification, 2019
 The Europe BEST Engineering Competition, 2nd Prize in the case study, Europe region, 2018
 The Connected Campus Idea Competition (CCIC), Top 7 in Berlin. Europe region, 2017
 The International Internet of Things (ICAN) Innovation Competition, 3rd Prize in China, 2014
 The International Robocup Robot Competition, 1st Prize in China, 12th Prize in Global, 2014

TECHNICAL STRENGTHS

Technical skills	Senior: LLM/VLM Product Delivery, Agentic AI Orchestration, RAG Senior: Python, Tensorflow, PyTorch, Bedrock, Vertex, MLOps, LLM Alignment Junior: Veeva, Elasticsearch, Kubernetes, CI/CD, Docker, Pre-Sale, GTM
Languages skills	Native: Chinese Fluent: German (DSH-2: C1), English (IELTS: B2)