



“CARRIE LAU

Human and AI researcher, Human-Computer Interaction, Product Management

Phone:
+491789699616

Email:
pixidust724@gmail.com

Portfolio:
<https://www.carrielau.com/>

I am currently pursuing my PhD, focusing on designing and evaluating generative AI applications in Digital Humanities. My background is in product innovation and management, with expertise in user research, data-driven product strategy, and human-centered digital transformation.

Skills

- Research
- Product Management
- Agile implementation
- Human-computer interaction,
- User-centered design
- Qualitative and Quantitative Analysis
- Start-ups, Growth Hacking

Accreditation

- Certified Professional Scrum Master (PSM I)
- PADI Advanced Open Water Diver

Scholarship

- 2014-2015 | Outstanding HKSAR Government Reaching Out
- 2014-2015 | HKSAR Matching Scholarships Scheme
- 2014-2015 | HKSAR Self-financing Post-secondary Scholarship Scheme

Languages

- Cantonese (Native)
- Mandarin
- English
- German (B2)

Volunteer work

- 2022-2023 | Parkrun Organiser, Prinzenpark Braunschweig

Professional experience

PhD Student Mar 2023 – Current
Technical University of Munich (Germany)

- Working at the Chair of Human-Centered Technologies for Learning
- Research focus: LLM and VR/AR/XR in Education, Embedded Learning, Human-Computer Interaction, Cultural Heritage

Master Thesis Feb 2022 – Sep 2022
Volkswagen AG, Wolfsburg (Germany)

- Identified sleep use cases in autonomous vehicles
- User study to derive an HCI approach to increase occupant comfort

Product Management Internship Mar 2021 – Aug 2021
Robert Bosch GmbH, Abstatt (Deutschland)

- Work in the area of Chassis System Control Unit (CC/PRM-P2)
- Identification of the unique selling point of the Bosch airbag control unit through technology scouting within the business framework
- Market and competitive analyses for active and passive safety sensors as well as evaluation of the customer landscape

Research Assistant (Student Worker) Sep 2019 – Nov 2022
University of Siegen (Germany)

- Reducing safety-critical problems in control rooms by developing pattern-based wearable assistants
- Promoting digitalization in rural areas (villages in Puderbach)
- Co-designing an internal learning platform for HCI master students and professors, promoting educational exchange

Education

Master of Science, Human Computer Interaction, Grade: 1,2 Sep 2019 – Nov 2022
University of Siegen

Project with Bosch in the area of human-machine interface - Implicit nudging for careless driving behavior in autonomous vehicles SAE Level 4, 5

Information Technology and Electrical Engineering (Erasmus), Grade: 1.0 Sep 2021 – Dec 2021
University of Oulu, (Finland)

Courses completed during my Erasmus mobility exchange:

- Natural Language Processing and Text Mining (NLTK, spaCy), VR Systems and People, Introduction to Data Mining (R, Matlab, SQL), Intermediate Course on Business Analytics, Introduction to Deep Learning and Multimodal Data Fusion (Numpy, Pytorch, Python)