

CURRICULUM VITAE

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Education

07/2024 – current	cand. Doctorate Civil Engineering Swiss Federal Institute of Technology Zurich (ETH Zurich)
10/2019 – 02/2023	M.Sc. Architecture and Urban Design (with Distinction) Leibniz University Hannover
10/2015 – 02/2019	B.Sc. Architecture Leibniz University Hannover
09/2017 – 02/2018	cand. B.Sc. Architecture ENSA Paris Malaquais, Paris
10/2011 – 02/2014	Study of Economics University of Bonn
10/2014 – 02/2015	cand. B.Sc. Economics Univerzita Karlova v Praze, Prague
07/2011	Abitur (High School, Germany) Ratsgymnasium Minden
07/2008 – 05/2009	High School exchange year Bay High School, Bay Saint Louis, Mississippi, USA

Academic Experience

01/2024 – 06/2024	Scientific Assistant Institute of Construction & Infrastructure Management, Prof. Catherine De Wolf Chair of Circular Engineering for Architecture Swiss Federal Institute of Technology Zurich (ETH Zurich) <i>research and teaching AI-driven design, exhibition at Kunsthalle Zurich</i>
03/2023 – 08/2023	Research and Teaching Assistant Institute of Design and Building Theory, Prof. Marieke Kums Department Architecture in Context, Leibniz University Hannover <i>research and teaching Japanese Architecture, excursion to Japan 2023</i>
10/2021 – 02/2023	Student Research Assistant Institute of Creative Design and Architectural Drafting, Prof. Tobias Nolte Department Media of Architectural Design, Leibniz University Hannover <i>researching circular design approaches and Artificial Intelligence</i>
10/2021 – 02/2023	Student Tutor Institute of Design and Building Theory, Prof. Marieke Kums Department Architecture in Context, Leibniz University Hannover <i>design studio 3rd and 4th semester Bachelor, Bachelor Thesis</i>
10/2020 – 01/2021	Student Tutor
10/2021 – 01/2022	Institute of Creative Design and Architectural Drafting, Prof. Tobias Nolte Department Media of Architectural Design, Leibniz University Hannover <i>geometry modeling Rhino 3D</i>
10/2020 – 01/2021	Student Tutor Institute of Design and Building Theory, Prof. Hilde Léon Department Stadt Raum Gestaltung, Leibniz University Hannover <i>design studio 1st semester Bachelor</i>

(Co-)Leading Teaching & Supervision

07/2024 – 12/2024	How to Reuse Reclaimed Glazing Components: Bridging the Operational Performance Gap in the Reuse of Reclaimed Windows Using Surrogate Models, Master Thesis , Miguel Belló Escribano, ETH Zurich <i>co-supervision with Beril Önalán (cand. PhD)</i>
07/2024 – 12/2024	Digital Creativity for Circular Construction HS2024, Reuse Design Studio , 30 students, ETH Zurich <i>co-development and co-organization with Prof. Catherine De Wolf & teaching team</i>
04/2023 – 08/2023	Workshop & Excursion: Experimental Housing Japan, Master Seminar, Excursion Leibniz University Hannover <i>development & leading supervision</i>
10/2022 – 01/2023	Raum zum Wohnen - Land: Lengler, Bachelor Thesis, Housing Design Studio , 9 students, Leibniz University Hannover <i>co-supervision with Prof. Marieke Kums, organization</i>

Practical Experience

08/2023 – 11/2023	Sunder-Plassmann & Werner Szenografie Hamburg exhibition scenography “Kant in der Bundeskunsthalle Bonn”
10/2022 – 04/2023	Deutscher Werkbund Nord.e.V. Berlin exhibition assistance “Luftkuppe Revisited”
04/2022 – 09/2022	Assistant Temporary Exhibitions Hannover “gewohntes” Carolin Koopmann (Aulet), Architektenkammer Niedersachsen
08/2021 – 09/2021	Tischlerei Eike Ruhland Hannover intern, assisting wood workshop
04/2021 – 05/2021	raumlabor Berlin intern, assisting projects

Awards

04/2023	Nomination/Preselection Eumies Young Talent Architecture Award 2023 Venice “Dreaming Architecture” – Master Thesis
04/2023	3rd Prize Auf IT Gebaut 2023 Munich “Dreaming Architecture” – Master Thesis
12/2022	Special Award Lavespreis 2022 Hannover “Dreaming Architecture” – Master Thesis
07/2022	Special Award BDA Niedersachsen Master-Thesis Preis 2022 Hannover “Dreaming Architecture” – Master Thesis

Exhibitions

09/2024	AAA Experiments in AI, Art and Architecture, Kunsthalle Zurich “Mehrwerk”
06/2023	Ins Blaue 2023 Hannover “Dreaming Architecture”
12/2022	Lavesstiftung, Lavespreis 2022 Hannover “Dreaming Architecture” – Master Thesis
10/2022	Annual Exhibition Fakultät für Architektur und Landschaft LUH Hannover “Dreaming Architecture” – Master Thesis

Public Talks

- 11/2024 **AAA Talk in the Mehrwerk, Kunsthalle Zurich**
Talk on “*Digital Creativity for Circular Construction*”
with Prof. Catherine De Wolf
- 09/2024 **Is Ise Circular?, Global Japan Lab Princeton**
Chair of Roundtable: “*Is Ise Cyclical?*”
with Prof. John Ochsendorf (MIT) & Jürgen Hackl (Princeton)
- 10/2023 **Material & Zukunftsfragen in Architektur und Design, MAK Hannover**
Panel Discussion Speaker

Publications

- 07/2025 (in review) **Schwarzkopf, V., Nolte, T. & De Wolf, C.**
Fostering creativity using AI towards a circular economy in architectural engineering design. In International Association of Structures and Architecture (ICSA), Special Session: Architectural Engineering Design and the Circular Economy (Antwerp, 2025).
- 07/2024 De Wolf, C., Byers, B.S., Raghu, D., Gordon, M., **Schwarzkopf, V.**, Triantafyllidis, E.
D5 digital circular workflow: five digital steps towards matchmaking for material reuse in construction. npj Mater. Sustain. 2, 36 (2024).

Extracurriculars

- 10/2015 – 10/2020 **Member of the Student Union**
Fachschaft Architektur, Leibniz University Hannover
study commission, student admissions
- 2011 – 2014 **Member of the Student Union**
Fachschaft VWL, University of Bonn
appointment committee, events

Scholarships

Lower Saxony Scholarship

Technical Skills

Adobe Cloud, Rhino 3D, Grasshopper, Coding in C# & C++ (beginner)

Languages

German (native), Czech (native), English (fluent), French (fluent)

Referees

Prof. Dr. Catherine De Wolf ETH Zurich (circular engineering & architecture)
dewolf@ibi.baug.ethz.ch

Prof. Micro Becker LUH Hannover (architecture & digital methods, faculty dean)
becker@iat.uni-hannover.de

Prof. Tobias Nolte LUH Hannover (architecture & media)
nolte@iat.uni-hannover.de

Prof. Jörg Schröder LUH Hannover (urban design, dean of research)
schroeder@staedtebau.uni-hannover.de

Prof. Marieke Kums LUH Hannover (design studio)
kums@arch.uni-hannover.de

Dr. Ute Maasberg Deutscher Werkbund Nord e.V. (exhibitions, publications)
info@werkbundnord.de