

# Jan Bauer

MSc Architecture candidate, ETH Zurich (expected Feb 2025)  
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## Profile

Architect-in-training focused on computational design, circular construction, and the information flows that shape the built environment. I build tools and workflows that make complex processes legible, spanning material reuse logistics, data-driven design, and public-facing cultural formats.

## Education

- Master of Science in Architecture, ETH Zurich - expected Feb 2025. Focus areas: Coding Architecture I (C#, Python, AI in design workflows), Advanced Computational Design (Python, Rhino Grasshopper), generative AI research (custom CGAN), LLM programming constraints, databases, and large dataset handling (Bash, Python).
- Bachelor of Science in Architecture, ETH Zurich - completed Mar 2021.
- Matura (WR), Gymnasium Neufeld - completed Jun 2015.

## Experience

- Member, Panta Rhei Collaborative (Zurich, 2020-Present): Dream Together (Tbilisi Architecture Biennial 2022) using open-source image generation; led a specialist to build a public website that collects and archives contributions. It's a Match (Toronto Media Architecture Biennial 2023): data-structure workshop on semantic similarity, with a pilot workshop in Zurich.
- Internship and Assistant, Bauburo in situ (Zurich, Aug 2019-Jun 2020): process development for component reuse; information management and digitization during the zirkular GmbH spin-off phase; built internal knowledge sharing via a wiki; planned projects with reclaimed building parts.
- Architecture Biennale Venice, German Pavilion 2038 (2020-2021): wrote speculative biographies based on interviews and digitally aged interview subjects for film work.
- Pre-study Internship, Werkgruppe AGW (Bern, Aug 2016-Mar 2017): self-directed learning in drawing and modeling software.

## Selected Work

- Dream Together (Tbilisi Architecture Biennial 2022): open-source image generation to amplify marginalized voices; web archive of submissions.
- 2038 (Venice Architecture Biennale 2020): speculative biographies and digital aging for the German Pavilion narrative film.
- It's a Match (Toronto Media Architecture Biennial 2023): data-structure prototype and workshop on semantic similarity in cultural datasets.

## Community

- Verein Vereint (Zurich, 2019-2022): Sonder Festival 2021 (non-profit event, 3 days, 500 visitors); responsible for infrastructure and material sourcing; led build team (5 members, 10 volunteers). Horror Automobilis 2022 workshop and city walk (30 participants).
- 6.A.M Kollektiv (Zurich, 2018-2022): produced 10+ open-air and 5 indoor cultural events; managed PR, flyers, text, and social media.

## **Skills**

- Computational design: Python, C#, Rhino Grasshopper, custom CAD tooling, generative AI workflows.
- Data and systems: databases, structured data, information architecture, large dataset handling (Bash, Python).
- Architecture practice: circular construction, material reuse, exhibition production, research through prototypes.
- Collaboration: facilitation in non-hierarchical teams, documentation, public programs.

## **Languages**

- German (native)
- English (very good)
- French (intermediate)