

# Samuel Losi

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Birkenwaldstraße 91 222-2, 70191, Stuttgart, Germany

I am a Computational Designer with 5 years of AEC industry knowledge and experience, skilled at working in team environments, quick to learn and adapt to new tools, searching for a role where I contribute and learn.

## Education

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Oct '22 – Oct '24	University of Stuttgart, Stuttgart, Germany M. Sc. of Integrative Technologies and Architectural Design Research (ITECH)
Sep '17 – May '22	Carnegie Mellon University, Pittsburgh, PA, USA GPA 3.54 Bachelor of Architecture   Minor of Computational Design – College and University Honors

## Work Experience

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Dec '22 – Aug '23	RWTH Aachen University Dept of Mathematics, Aachen, Germany – Programmer Programmed a Grasshopper plugin using a workflow involving Visual Studio and C# in order to create and debug scripts while ensuring stability both as internals and as outputs of each created component.
Jun '22 – Oct '22	Mann Parsons Gray Architects, Fairlawn, OH, US – Intern Completed miscellaneous tasks including: numerous digitization of existing building plans and sections using Revit, Enscape, the creation of construction documents on numerous projects, and web design.
Nov '21 – May '22	Rethinking Automation in Construction, Pittsburgh, PA, US – Research Assistant Collaborated with a contracting company in preparation for the use, testing, and development of a Fetch Robot on a series of active construction sites, each in a different phase of construction.
Oct '19 – May '22	Digital Fabrication Lab, Pittsburgh, PA, US – Monitor & Operator Instructed less-experienced students in the procedures and techniques needed to successfully operate the machines in the lab, including laser cutters, a CNC Router, 3D printers, a vacuum former, and robots.
May '21 – Sep '21	CMU School of Architecture 2020 EX-CHANGE, Pittsburgh, PA, US – Web Dev Team Collaborated through a GitHub repository and adeptly shaped a walk-through website of digital galleries through visual motifs and recognizable locations across the Carnegie Mellon campus.
May '19 – Sep '20	Cuyahoga County Dept of Public Works, Cleveland, OH – Intern With the county's architect, attended meetings as the client to plan and oversee a great many county-owned buildings in the greater Cleveland area, developing professional relationships.

## Notable Projects

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Spring '23	Honeycomb – A Grasshopper Plugin A parametric modeling tool that is embedded in Grasshopper that enables the creation of 2D and 3D patterns through symmetric transformations, each derived from the 17 wallpaper groups.
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## Teaching Experience

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Sep '19 – Dec '21	Generative Modeling with Grasshopper, Pittsburgh, PA – Teaching Assistant
Sep '20 – Dec '20	Introduction to Architectural Robotics, Pittsburgh, PA – Teaching Assistant
Sep '18 – May '19	Introduction to Digital Media, Pittsburgh, PA – Teaching Assistant

## Awards

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Awarded Fall '16	Eagle Scout - Boy Scouts of America Planned, arranged and led a 100+ hour service project, raising money through a charity dinner and installing directional signs for the large Brecksville-Broadview Heights High School campus.
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## References

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Terry Hritz	Design Fabrication (DFAB) Lab Manager & Mentor   +1 (412) 268 8520   thritz@andrew.cmu.edu
Tom Görtzen	RWTH Aachen University · Chair of Algebra and Representation Theory Paper Author & Colleague   +49 1577 5443394   tom.goertzen@rwth-aachen.de
Tzu-Ying Chen	University of Stuttgart · ITKE Researcher & Academic Tutor   +49 711 685 83295   y.chen@itke.uni-stuttgart.de