

# Samuel Losi

## Curriculum Vitae

Email: [sjlosi@alumni.cmu.edu](mailto:sjlosi@alumni.cmu.edu) | Phone: +4917669023394

Website: [samlosi.com](http://samlosi.com)

USA Address: 7040 Carriage Hill Drive #103, Brecksville, Ohio, 44141

Germany Address: Weilimdorfer Straße 1, 70825, Korntal-Münchingen

## Education

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- Oct '24(Expected)*     **University of Stuttgart**, Stuttgart, Germany  
M. Sc. of Integrative Technologies and Architectural Design Research(ITECH)
- May'22*     **Carnegie Mellon University**, Pittsburgh, PA, USA GPA 3.54  
Bachelor of Architecture  
Minor of Computational Design, Minor GPA 4.0  
College and University Honors
- May '17*     **Brecksville-Broadview Heights High School**, Broadview Heights, OH, USA  
Ohio Honors

## Work Experience

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- Summer'22*     **Mann Parsons Gray Architects**, Fairlawn, OH – Intern  
Designed and programmed the third version of [mpg-architects.com](http://mpg-architects.com) to make the site more appealing and update it to compete with other local architecture firms near the Cleveland-Akron, Ohio area.  
Completed miscellaneous tasks including: numerous digitization of existing building plans and section using Revit, drive-through coffee shop renders using Enscape, dispensary vicinity maps and plans necessary for code compliance on proposed and in-process projects, laid-out Revit files necessary for the creation of construction documents on numerous projects.
- Fall'21 - Spring'22*     **Rethinking Automation in Construction**, Pittsburgh, PA – 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.  
Reviewed existing works within Human-Robot Interaction. In the review process, began to distill major themes and gain an understanding of the field. Collected relevant papers and uploaded them to a Zotero Library as an asset for the research team to read and learn from.
- Fall'19 - Spring'22*     **Digital Fabrication Lab**, Pittsburgh, PA – Monitor & '21 Summer Assistant  
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.  
Prepared the lab for academic use during the summer of 2021. This included using the machines to build various pieces of furniture, laser cutting dFab themed decals, and recoating walls with paint.  
Held the responsibility of teaching the inexperienced monitors how to use the machines.
- Summer'20*     **CMU School of Architecture 2020 EX-CHANGE**, Pittsburgh, PA – Web Dev Team  
Presented with the challenge of creating a digital experience to display the school of architecture's work, created a previous version of <https://exchange.soa.cmu.edu/> from scratch.  
Collaborated through a Git Hub repository and adeptly shaped a series of digital galleries through visual motifs and recognizable locations across the Carnegie Mellon campus.
- Summer'19 & '20*     **Cuyahoga County Dept of Public Works**, Cleveland, OH – Intern  
Designed, drafted, and specified a series of brick and metal signs for the facilities group's offices.  
Rigorously documented art across all floors of the county's headquarters building, researched and credited the artists. Then, formatted the collective works' information into a 150 page PDF.  
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.

Using photoshop for post processing and 3ds Max for modeling, stitched together versions of a photo-realistic bridge renders for the updating of Chagrin Falls' city-defining historical bridge.

Designed a small detour route to reorganize traffic around a future culvert construction project.

*Summer'18*

### **Perspectus Architecture, Shaker Heights, OH – Intern**

Using "autoCAD, Photoshop, plot, then mark-up" as a workflow for a series of schematic design ideas to discuss with the owner of numerous senior living projects across the United States.

Updated the firm's extensive Revit BIM libraries in parallel with the company's BIM manager.

Used Illustrator to perfect the colors on my hometown's children's Safety Town building facades pre-fabrication. This work was part of the firm's outreach program, aimed at local communities.

Laser cut sheets and constructed a topographical model for a large medical facility in Maryland.

Specified uncommon medical research equipment and drafted changes in autoCAD and Revit in a series of updates to many of Cleveland's University Hospital's large-scale pharmacy locations.

Inspected and documented the windows of two of Cleveland's many historic buildings: White Mansion, on Euclid Avenue's historical Millionaire's Row and the Stuyvesant Car Co. tower

*Fall'17 & Spring'18*

### **Carnegie Mellon Athletic Department, Pittsburgh, PA – Mascot**

Served as the Carnegie Mellon University costumed mascot, the Scotty Dog, at service events, campus activities, and school sporting events, representing the school's ideals through action.

*Summer '16 & '17*

### **Brecksville Recreation Department, Brecksville, OH – Summer Camp Counselor**

Guided children, ages six through twelve, in fun, team-based games, keeping rules and settling disputes.

## Teaching Experience

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*Fall '19 & Fall '21*

**Generative Modeling with Grasshopper, Pittsburgh, PA – Teaching Assistant**

*Fall '20*

**Introduction to Architectural Robotics, Pittsburgh, PA – Teaching Assistant**

*Fall '18 & Spring '19*

**Introduction to Digital Media, Pittsburgh, PA – Teaching Assistant**

## Extra-curricular Activities

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*Fall'21 - May'22*

**Inter•punct - Writer**

*Fall'19 - May'22*

**American Institute of Architecture Students - Member**

*Fall'19 - Spring'20*

**National Organization of Minority Architecture Students - Member**

*Fall'17 - Spring'18*

**Student Dormitory Council - Advisory Member**

Engaged in debates relating to general campus issues and future plans relating to dining, housing, and funding. Promoted campus-wide events through use of social media and word of mouth.

*Fall'17 - Spring'18*

**Hammerschlag-Scobell House Council - CoPresident(elected)**

Organized events relating to the HamSco housing community, including Sclagmare, the haunted house, Ping-Pong tournaments, Superbowl parties, and more

*Fall'16 - Spring'17*

**High School Marching Band - Tuba Section Leader(appointed)**

*Fall'15 & Fall'16*

**Music in Motion Show Choir - Member**

*Fall'13 - Fall15*

**Men's Volleyball Team - Member**

*Fall'07 - Fall'14*

**Mens' Cross-Country Team - Member**

## Awards

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*Fall'16*

**Eagle Scout - Boy Scouts of America**

Instructed younger scouts in various team-building exercises concerning scout skills, life lessons, and moral choices, passing down the lessons I was taught by the scouts that came before me.

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.

*Spring'17*

**Broadview Heights Lions Club Scholarship**

**Ronald McDonald House Scholarship**

Kiwanis Club of Brecksville Scholarship  
American Legion Post 196 Scholarship  
Presidential Volunteer Service Award

## Conferences Attended

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<i>October'22</i>	IntCDC Conference 2022, Stuttgart, Germany
<i>January'22</i>	Affordable Housing Bootcamp, Salt Lake City, USA
<i>January'20</i>	AIAS Forum, Toronto, Canada
<i>November'17</i>	Emerging Leaders Teambuilding Retreat, Pittsburgh, USA

## Hobbies & Interests

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<i>Ongoing</i>	Reading - Generally Nonfiction Design and Mathematics Game Design Web Design Physical Activity - Walking and Swimming Chess - On-line and over the board Linux/Unix - Learning through using
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