ABOUT ME

Architect and computational designer specializing in Grasshopper, Python, and generative design. I focus on developing automation tools for the AEC industry and creating project specific solutions for design challenges. I am passionate about knowledge sharing, with teaching experience at Udemy, Graphisoft Learn, and personally at BME. A frequent attendee of the GCD Symposium, MOME Future materials, and the Venice Biennale, I was recently a featured panel speaker at the BigSEE conference discussing AI in architecture. I am currently researching machine learning to further advance the boundaries of design automation.

PORTFOLIO

https://www.meszarospal.com/

PERSONAL DETAILS

- 1996. 03. 18.
- Hungarian

SOFTWARE SKILLS

- Rhino
- Grasshopper
- Archicad
- Photoshop
- AutoCAD
- Revit

PROGRAMMING LANGUAGE

- Python

LICENSES & CERTIFICATIONS

- Graphisoft - Certified BIM Manager

PÁL MÉSZÁROS

ARCHITECT
COMPUTATIONAL DESIGNER

+36305879854
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EDUCATION

2014 – 2019
Bachelor of Architectural Engineer
BME - Budapest University of Technology and Economics

- Engineering Core: Rigorous foundation in structural mechanics, statics, building materials and higher mathematics.
- Technical Design: Integrated architectural design with building physics and construction technology.

2020.01. – 2020.10.
Biodigital Architecture Master
UIC - Universitat Internacional de Catalunya

- Computational Depth: Focused on parametric design with Grasshopper and python.
- Research Focus: Specialized in nature-inspired mathematics for architectural design logic..
- Thesis: "Generative Design Methodology" – A 3-month intensive research project on encoding rules into automated decision-support systems.

WORK EXPERIENCE

2020.11. - 2021.07.
Junior Sustainability Consultant
ABUD - Advanced Building and Urban Design

- Performed window and shading optimization via generative design, utilizing Ladybug and Colibri for analysis and evaluation.

2021.07. -
Computational Design Expert
NOVU Design and Engineering Ltd.

- Tool development (see in my portfolio): PlanPal, Check, VisuAI
- Automated Archicad opening audits via Python, resolving property contradictions and standardizing data for a large-scale office project.
- Modelling automation with Archicad Grasshopper connection
- Automated model slicing via Simplebim to create audit-ready IFCs for large-scale BIM coordination.
- Supporting the BIM team with more small scripts.

ACADEMIC & TEACHING EXPERIENCE

2022. 08.
Online course – Parametric modelling with Grasshopper

2023. 05.
Online course – Get Started with Parametric Design in Archicad

2022, 2023, 2025
Teaching at BME – Parametric modelling for urban analysis