



*Computational Architect with 8+ years of experience in complex geometry  
 Design-to-Production workflows eager to join your innovative practice*

## SKILLS

- Deep experience in computational design & BIM for complex geometry projects and Design-to-Production workflows using Rhino + Grasshopper, Revit + Dynamo, ArchiCAD, Rhino.Inside & Python
- Strong construction site experience in complex building systems (wood, steel, aluminum, prefab, composite)
- Skilled in robotic manufacturing, digital fabrication, AR/VR, responsive mockups and web apps
- Well versed in rendering & post-production - Stable Diffusion, Midjourney, V-Ray, Lumion, Unreak, Ps, Ai, Id, Premiere
- Languages & Nationalities : English, French, Italian, German (developing), Dutch

## EXPERIENCE

### Archimethod /././ - **Computational Architect**

Mar 2024 - present  
 Lugano, CH (remote)

- Research on UrbanMetrix - a site-analysis and conceptual-design software that provides site-specific design suggestions related to sun, airflow, views, and noise.
- Concept Design stage of a 3000m<sup>2</sup> residential/office building in Lugano city center

### Design-to-Production - **Computational Architect**

Jan 2023 - Aug 2023  
 Zürich, CH

Joined D2P in the digital planning team for complex-geometry architecture projects :

- Research in digital fabrication and installation methods
- Coordination and 3D assertion of reference models
- Programming Python scripts to generate timber structure models ready for digital fabrication

### CITRA - **Head of Design, Computational Architect**

Mar 2022 - Jun 2022  
 Zürich, CH  
 Jun 2019 - Mar 2021  
 Cape Town, SA

Joined CITRA - a Swiss & South African cutting-edge green tech construction company and developer - in crafting innovative design for affordable and high-end markets. Leading the architecture department featuring outsmart design and automated drawing packages. Developing Design-to-Production workflows for automated CNC and assembly manufacturing processes.

- 49 affordable houses with automated drawing packages for council and construction, saving time and errors
- Design-to-Production workflows developed for CITRA System's prefab assembly lines
- 132-unit rental development defining a new type of living together with specific comfort features

### Calatrava Architects & Engineers - **Computational Architect**

May 2021 - Feb 2022  
 Zürich, CH

Lead on computational design at Calatrava Architects & Engineers on complex geometry projects. Development of complex geometry models to promptly respond to creative design iterations

- Düsseldorf Centrum - 30.000m<sup>2</sup> retail-office building on the back of historical buildings
- House of Falcon - 16.000m<sup>2</sup> office and bike storage at Calatrava's Stadelhofen train station

### Zaha Hadid Architects - **Computational Architect**

Jun 2018 - May 2019  
 London, UK

Joined Zaha Hadid Architects on a prime 60.000 m<sup>2</sup> Central American project. Major role in Rhino & GH parametric design for building envelope systems development, rationalisation and construction documentation.

- Bora Residential Tower - Overall façade design development and manufacturing coordination lead
- Seoul Centre - 2 design alternatives for 195.000 m<sup>2</sup> of prime offices and a 2000-seat concert hall in Seoul, SK

### Laboratory for Explorative Architecture & Design - **Architectural Designer**

Mar 2017 - Feb 2018  
 Hong Kong

Joined LEAD's dynamic team in Hong Kong headed by Prof. Dr. Kristof Crolla to participate in the design development and drawing packages of a 1 km-long mixed-use complex building facade design and to develop competition projects. Two significant projects:

- K11 Art Mall - Façade systems, balconies, skylights and atria - Rhino & GH(Python) & Revit - 50.000 m<sup>2</sup>
- WKCD Pavilion - Hyper light-weight temporary structure with unique architectural potentials - 240 m<sup>2</sup>

### KYOTEC GROUP - HONG KONG - **QA/QC supervisor**


Sep 2016 - Feb 2017  
 Hong Kong

Joined the international team of the free-form façade's contractor - Kyotec Group - on Morpheus Hotel Tower, Macau designed by Zaha Hadid Architects. From site followup through fine detailing and installation of façade elements.

- Developed 3D method statements for several installation stages (hatches, high skew elements, glass,...)

### - **Founder**

Sep 2013 - Jun 2017  
 Brussels, BE

Created a unique  community platform for architecture students in Belgium. Six architecture faculties joined the movement with more than 250+ projects from first to last year. This online exhibition space featured more than 200k views from 50k single users.

## EDUCATION

Feb 2023 & Sep 2022  
 2016 - 2021  
 Sep 2014 - Jun 2016

- McNeel Rhinoceros workshops — Python Level 2 (online) & Fologram on Augmented Reality (Barcelona)
- *ThinkParametric.com: Revit - Rhino.Inside.Revit - Grasshopper (+ Kangaroo, Elefront, Ladybug, Galapagos) certifications*
- *Master of Architecture. M.Arch — LOCI Saint-Luc / Université Catholique de Louvain (UCL), Brussels, Belgium*
  - *Thesis: Responsive Envelope in Architecture | Elective: Wood in Architecture*

S1 - 2015  
 Sep 2011 - Jun 2014

- International master exchange program — McGill Architecture School, Montréal, Canada
- Bachelor of Architecture. B.Arch — LOCI Saint-Luc / Université Catholique de Louvain (UCL), Brussels, Belgium