**ADRIEN GESULFO**
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*Computational Architect with 7+ 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, Rhino.Inside.Revit & Python
‣ Strong construction site experience in complex building systems (wood, steel, aluminum, prefab)
‣ Skilled in robotic manufacturing, digital fabrication, responsive mockups and web applications
‣ Well versed in rendering, post-production of graphics and text compositing - V-Ray, Lumion, Ps, Ai, Id, Ae, Premiere
‣ Languages & Nationalities : English, French, Italian, Dutch, German (developing)

## EXPERIENCE

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

*Jan 2023 - present*
*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 wooden structure details
‣ Processes and tools documentation

### 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
‣ 120-room hotel concept design — Community Centre — Entrance Sign for a CITRA Development
‣ 132-unit rental development defining a new type of living together with great comfort features

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

*May 2021 - Feb 2022*
*Zürich, CH*

Lead on parametric design at Calatrava Architects & Engineers on complex geometry projects. Development of complex geometry models to promptly respond to creative design iterations
‣ Düsseldorf Centrum - 30.000m2 retail-office building on the back of historical buildings
‣ House of Falcon - 16.000m2 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 m² 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 m² of prime offices and a 2000-seat concert hall in Seoul, SK

### *Laboratory for Explorative Architecture & Design* LEAD *- 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 m²
‣ WKCD Pavilion - Hyper light-weight temporary structure with unique architectural potentials - 240 m²

### 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, this thrilling on-site experience threw me in, literally.
‣ Participated in DD phase with architects, engineers, client and contractors
‣ Developed 3D method statements for several installation stages (hatches, high skew elements, glass,…)

### ArchArch.be 🝣 - *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*
‣ McNeel Rhinoceros workshops — Python Level 2 (online) & Fologram on Augmented Reality (Barcelona)

*2016 - 2021*
‣ *ThinkParametric.com: Revit - Rhino.Inside.Revit - Grasshopper (+ Kangaroo, Elefront, Ladybug, Galapagos) certifications*

*Sep 2014 - Jun 2016*
‣ *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*
‣ International master exchange program — McGill Architecture School, Montréal, Canada

*Sep 2011 - Jun 2014*
‣ Bachelor of Architecture. B.Arch — LOCI Saint-Luc / Université Catholique de Louvain (UCL), Brussels, Belgium