



Ondřej Simon

Architect & Structural Engineer

Náchod, Czechia

contact@simonondrej.com

simonondrej.com

[linkedin.com/in/ondrejsimon](https://www.linkedin.com/in/ondrejsimon)

Available immediately · EU citizen · Open to relocation

PROFILE

Architect and structural engineer with two Master's degrees in architecture — Tianjin University (China) and the University of Sassari (Italy), as a double degree — and an engineering Master's (Ing.) in building structures from the Czech Technical University in Prague, with exchange semesters in China and Taiwan. Professional experience in Czechia: architectural design, construction-stage detailing and reinforced-concrete documentation in Prague offices, independent practice in site supervision and structural assessment, and two years teaching structural mechanics and design. Looking for a full-time role where architectural design and structural thinking meet.

EDUCATION

- 2018–2025 **Master of Architecture (M.Arch)** — Tianjin University, China
School of Architecture. Chinese Government (CSC) Scholarship. Programme accredited by NBAA (China), a signatory of the Canberra Accord. Double degree with the University of Sassari; studies interrupted by COVID-19 and completed in 2025.
- 2019–2026 **Laurea Magistrale in Architettura (M.Arch, class LM-4)** — University of Sassari, Italy
Department of Architecture, Design and Urban Planning, Alghero. Final mark **110/110**. Double degree with Tianjin University; studies interrupted by COVID-19 and completed in April 2026.
- 2014–2016 **Ing. (MSc) in Civil Engineering — Building Structures** — Czech Technical University in Prague
Thesis: static and dynamic FE analysis of a helical glass staircase in RFEM (113 load cases, modal analysis, connection details) — **2nd prize, Dlubal Software Best Master's Thesis**.
- 2013–2018 **Bc. in Architecture and Civil Engineering** — Czech Technical University in Prague
University merit scholarship. Exchange semesters at Dalian University of Technology, China (2017–2018) and Chung Hua University, Taiwan (2018, bachelor thesis).
- 2009–2014 **Bc. in Civil Engineering — Building Structures** — Czech Technical University in Prague

EXPERIENCE

- 2020–2026 **Independent Consultant** — Freelance, Náchod
- Structural reassessment of a 1970s precast concrete hall (former IDA bottling plant): archival research identified the roof trusses as pre-tensioned type SPP 10-18/6, not the failure-prone post-tensioned type initially diagnosed; an independent diagnostic survey I commissioned confirmed it, avoiding a rebuild estimated at hundreds of thousands of euros.
 - Architectural study of a family house (Milus House, Hořičky).
 - Structural checks of beams, a floor slab and a strip foundation for family houses, prepared for an authorized engineer.
 - Client-side site supervision of an industrial ground-floor reconstruction (Pikovka, Náchod).
 - Visualisations and international architectural competitions.
- 2023–2025 **Teacher, Technical Subjects** — Jan Letzel Secondary Technical School of Civil Engineering, Náchod
Full-time. Structural mechanics, technical and professional drawing, CAD and design studio.
- 2016–2017 **Junior Building Engineer** — CASUA, Prague
Part-time, alongside studies. Construction-stage details for the Waltrovka residential development (former Walter aircraft-engine factory, Prague-Jinonice) under a senior engineer — assembly build-ups, material junctions and buildability.

2016	Junior Building Engineer — YUAR, Prague Contribution to ongoing projects between architectural design and building documentation.
2015–2016	Junior Structural Engineer — RECOC, Prague Part-time, alongside studies. Reinforcement drawings for cast-in-place and precast concrete structures for clients in Germany and Russia.
2014–2015	Architect's Assistant — HRA Studio (acad. arch. Milan Hrouda), Prague Architectural studies and competitions, above all the competition entry for the extension of IKEM (Institute for Clinical and Experimental Medicine).
2014	Drafter — PARS Building, Prague · 3D model of an industrial complex from archival 2D drawings
2012–2013	Drafter — Atelier Dědek, Náchod · permit-stage documentation for houses and small buildings
2005–2008	Construction Site Assistant — REALSTAV, Náchod · summer seasons as a bricklayer's assistant

SELECTED PROJECTS

2026	The Cultural Reservoir — Cusano Milanino, Italy Competition entry (TerraViva): a disused water tower reactivated as a cultural hub.
2020	The Soundwave — Ouagadougou, Burkina Faso Rehabilitation of the Théâtre Populaire, University of Sassari — 3rd prize, Inspireli Awards.
2019	The Tea Barn — Cēsis, Latvia Competition entry (Bee Breeders): an 1850 stone barn converted for a tea maker. Full drawing set in Rhino; environmental analysis in Ladybug and Climate Consultant.
2019	The Egg — Xiamutang, China Children's teaching restaurant, AHO-TJU workshop (with Boramy Sina): a timber grid shell on point foundations. Drawings, analyses and full project texts: simonondrej.com/en/projects · simonondrej.com/en/journal

AWARDS

2020	3rd prize — Inspireli Awards, international student architecture competition · The Soundwave
2016	2nd prize — Dlubal Software, Best Master's Thesis competition
2016	Semi-finalist — Inspireli Awards · The Amphibian

WORKSHOPS & COURSES

2026	ArchAdemia course series · InDesign, portfolio design, V-Ray, Rhino, Photoshop (ongoing)
2022	RFEM 6 · finite-element analysis training, Dlubal Software
2020	Sustainable Building Design · edX
2019	AHO-TJU Construction Workshop · design-build, Xiamutang · AHO Oslo × Tianjin University × CBC
2019	Innesti Urbani · design workshop, Oliena · Politecnico di Milano × University of Sassari
2016	Wooden Deck in Plzeň · design-build workshop, realised school entrance deck
2015	Designing Passive and Zero-Energy Houses · Passive House Centre, Course C

SKILLS

Modelling	AutoCAD, Revit, Rhino, Grasshopper
Visualisation	V-Ray, Adobe Photoshop, InDesign, Illustrator, Procreate
Environment	Ladybug, Climate Consultant
Structure	Dlubal RFEM, Scia Engineer
Languages	Czech (native) · English (B2) · Italian (A2) · Mandarin (A1)
Other	Driving licence (B) · drawing, photography, guitar, model building