

Lucas França

2800 Kongens Lyngby | +45 66508032 | E-mail: lucasfranca_100@hotmail.com |

<https://www.linkedin.com/in/lucas-fran%C3%A7a-864a92145/>

Architectural engineer specialized in digital design tools

Multidisciplinary civil engineer working across engineering and architecture. Proven background in leading construction/renovation retail projects for shopping mall/airport, 2D/3D modelling, structural design and maintenance/facilities management. Currently pursuing a master's degree in Architectural Engineering at DTU with a specialization in digital design tools (BIM). I consider myself a generalist professional with a keen eye for design, and a tendency to solve problems with a holistic approach. International exposure through an undergraduate exchange program in Kuala Lumpur. Excellent interpersonal, communication, leadership skills, and results-oriented.



Work experience

Nov. 2022 – Aug. 2024 | Senior Operations Analyst | ALQIA SHOPPING CENTERS – HSI | Rio de Janeiro, BR

- Planned and coordinated preventive and corrective maintenance for critical building systems, ensuring performance and reliability.
- Spearheaded construction and renovation projects for retail stores, driving efficient execution and adherence to standards.
- Managed CAPEX project construction, achieving compliance with budget and timelines.
- Controlled the annual budget, maximizing financial efficiency and reducing operational costs.
- Directed and maintained legal documentation management, guaranteeing process compliance and integrity.
- Fostered strategic relationships with stakeholders, facilitating communication and promoting effective collaboration.

Jul. 2021 – Nov. 2022 | Engineering Assistant | WEDOCTORS | Rio de Janeiro, BR

- Developed 2D and 3D projects, transforming conceptual ideas into detailed and visually compelling designs.
- Integrated project components, aligning all design aspects for consistency and coherence.
- Monitored construction progress, upholding adherence to design specifications and timelines.

Sep. 2020 – Jul. 2021 | Engineering Intern | D'ANGELI ENGINEERING | Rio de Janeiro, BR

- Executed design, modeling, and validation processes using FMEA computational tools for steel structures, producing comprehensive documentation and detailing.

Aug. 2019 – Apr. 2020 | Engineering Intern | ANCAR IVANHOE SHOPPING CENTERS | Rio de Janeiro, BR

- Oversaw maintenance routines, ensuring operational efficiency and prompt issue resolution.
- Developed as-built projects, documenting precise construction details and modifications.

Aug. 2017 – Feb. 2018 | Engineering Intern | MRV ENGINEERING | Rio de Janeiro, BR

- Monitored construction progress, ensuring milestones were met and quality standards upheld.

Sept. 2016 – Dec. 2016 | Teaching Assistant | FEDERAL FLUMINENSE UNIVERSITY | Rio de Janeiro, BR

- Assisted students in utilizing CAD software, enhancing their technical skills and proficiency.
- Prepared supportive educational materials, facilitating effective learning and understanding.

**Sept. 2014 – Dec. 2016 | Project Manager – Student Position | META CONSULTANCY JUNIOR COMPANY
| Rio de Janeiro, BR**

- Led team management, fostering collaboration and productivity.
- Conducted physical and financial monitoring, ensuring project alignment with budget and timelines.
- Provided necessary technical support, enhancing project execution and problem-solving.

Education

Sept. 2024 – June 2026 | MASTERS IN ARCHITECTURAL ENGINEERING | Technical University of Denmark (DTU) | Kongens Lyngby, DK

- Building Performance Simulation
- Agile Prototyping
- Daylight and Lighting

Aug. 2014 – Sept. 2022 | BACHELOR IN CIVIL ENGINEERING | Federal Fluminense University (UFF) | Rio de Janeiro, BR

- Structural design of buildings and bridges: Reinforced and pre-cast concrete, steel and timber
- Computational modelling (Revit/Robot)
- Construction methods and techniques
- Project management and budget planning

Bachelor's thesis: *Comparative analysis of the structural modeling processes and results using different commercial software*. Result: The "drawing" phase within structural modeling software can significantly influence the analysis outcomes, potentially leading to variations in the software's interpretations. Results must be double-checked by the structural engineer to ensure that the most effective solution was chosen.

Aug. 2018 – Dec. 2018 | EXCHANGE SEMESTER | Limkokwing University of Creative Technology (LUCT) | Kuala Lumpur, Malaysia

- Geographical information system (GIS)
- Sustainable urban planning
- Shallow foundations and retaining walls

Digital Skills

- AutoCAD, Revit
- SketchUp, V-Ray, Rhino/Grasshopper
- TQS, CypeCad, Robot
- MS Excel, Word, Word, PowerPoint
- MS Project

Language Skills

- English: C1 - TOEFL iBT
- Portuguese: Native
- Spanish: Limited Working Proficiency
- Danish: Elementary Proficiency

About me

I am half Portuguese, half Brazilian, and I love traveling, trying new foods, and meeting new people. I try to stay active and fit whenever possible. In my spare time, I enjoy listening to a wide range of music genres while practicing sports. I am passionate about culture and the entertainment industry as a whole.