



# Jonas M. A. Chenderasa

born as Fleischer

## Master Student Structural Engineering

I am currently looking for a **Werkstudent** position next to my **Master in Structural Engineering** at **Eindhoven University of Technology**. I am particularly interested in **Parametric Design** and **Timber Construction**. I am passionate about driving sustainability and innovation in the built environment. I was a team lead in the student team that made second place at the Solar Decathlon Europe 21/22. In my projects, I focus on engineered timber and I use structural engineering and parametric design to create and script form-finding and KPI-optimized structures.

I am also an experienced innovation coach, workshop facilitator, and entrepreneur. I co-founded the innovation agency INNOKI. I consulted and enabled my clients to create innovative new products and services.

## Bio

**Date of birth** 28 Nov 1990

**Nationality** German

## Contact

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**Portfolio** [chenderasa.com/jonas](https://chenderasa.com/jonas)

## Education

Feb 2024 - Nov 2025  
**Structural Engineering & Design**  
MSc Architecture, Building, & Planning  
Eindhoven University of Technology

Sep 2020 - Aug 2023  
**Structural Engineering & Design**  
BSc Architecture, Urbanism, & Building Sciences  
Eindhoven University of Technology

Sep 2011 - Mar 2016  
**BA International Business**  
HTW Berlin

## Skills

- **Structural Engineering**  
Oasys GSA, Technosoft Raamwerken
- **Parametric Design**  
Rhino3D Grasshopper
- **Timber Construction - Eurocode 5**
- **Building Information Modeling**  
Revit, Archicad
- **Sustainable & Circular Design - LCA**
- **Building Performance**  
Solemma ClimateStudio
- **Architectural Visualization**  
Sketchup, UE5, Enscape, Twinmotion
- **3D Printing**
- **Interdisciplinary Collaboration**
- **Project Management**
- **Engineering Management**
- **Innovation Management - User-centered Design, Scrum, Lean Startup**
- **Workshop Facilitation**

## Languages

- German (native)
- English (C2)
- Dutch (A1)

## Experience

Feb 2023 - Jul 2023  
**Eindhoven University of Technology**  
**Bachelor End Project - Structural Engineering & Design**

In my graduation project, I designed a parametric viewing tower from timber members. The structure was designed with the help of Rhino 3D (Grasshopper), as well as Oasys GSA. Optimization algorithms were deployed for form-finding as well as dimensioning of the structure. The structural calculations and resulting unity checks were directly integrated into the Grasshopper script. The script allows for a broad range of shapes that can be evaluated against KPIs that are calculated in the tool in real time.

[Bachelor End Project Report](#)  
[Link to Built Environment Portfolio](#)

Feb 2021 - Jul 2022  
**VIRTUe - Solar Decathlon Europe 21/22**  
**Team Lead for Engineering & Construction and Sustainability**

As part of [Team VIRTUe](#) I participated in the [Solar Decathlon Europe Competition 21/22](#) that was held in Wuppertal, Germany. The completion asks teams to design and fully construct cutting-edge solar-powered sustainable houses. With our ripple concept, we pushed the boundaries of what is possible in the built environment and won 2nd place out of 16 teams. My role was as lead for two teams: engineering & construction and sustainability, representing two areas in the competition. As such, I was responsible for the energy concept of the house and sustainability measures to reduce embodied and operational energy, which required an interdisciplinary and collaborative approach, and the ability to lead and manage an engineering team.

Technologies and approaches that were successfully implemented include facade-integrated PV and PVT systems, a heat pump, a proprietary smart home energy management system incl. a wall-mounted user interface, PCMs, heat recovery systems, completely demountable and adaptable construction, and reuse of recycled material among others.

Jan 2016 - Dec 2023  
**INNOKI**  
**Co-Founder, Innovation Coach & Consultant**

I am also an experienced innovation coach, workshop facilitator, and entrepreneur. I co-founded the innovation agency INNOKI. I consulted and enabled my clients to create innovative new products and services. I am skilled in Design Thinking (user-centered design), Lean Startup, and Scrum. This background has made me adept at tackling challenges with a creative mindset and a customer-oriented approach.

[Link to Consulting Project Portfolio](#)

Feb 2015 - Jul 2015  
**Savant Degrees**  
**Business Designer**

May 2014 - Jan 2015  
**bookingkit**  
**Sales & Operations**