

# Oskar Gram Nielsen

Architectural engineer focused on software development, automation, and data analytics. Passionate about streamlining workflows through digital tools.

🌐 Copenhagen, Denmark, CET

[www.oskargramnielsen.info](http://www.oskargramnielsen.info) / [oskargram1996@gmail.com](mailto:oskargram1996@gmail.com) / +45 24 23 25 17



## About

Architectural engineer with a strong focus on automation and cloud-based workflows. Experienced in C#, REST API, Python, and full-stack development with a drive for innovation in tech and design.

## Work Experience

**CN3** C# Python Automation Power Platform PostgreSQL Revit API 2023 - Present

### Automation Engineer

Developing automation solutions and web application for complex infrastructure projects.

- Engineered custom C# plugins for BIM workflows
- Built full-stack apps using React and PostgreSQL
- Automated tasks using Power Automate

**Self-Employed (Andelskortet)** Web Scraping Google API HTML LLMs 2023 - Present

### Founder & Developer

Built a housing map for Copenhagen using web scraping and html.

**Gehl Architects** Rhino Grasshopper Python 2021 - 2023

### Student Assistant

Supported urban design with simulations and scripting.

- Simulated air quality with ENVI-met
- Built Grasshopper tools for early-stage design

**Rudersdal Municipality** Revit Excel 2020 - 2021

### Student Assistant

Analyzed and documented technical building installations.

## Education

**Technical University of Denmark (DTU)** 2017 - 2023

Master of Science in Architectural Engineering

GPA: 11.1 / 10.0 (incl. courses outside of Arch. Eng.)

**Polytechnic University of Hong Kong (PolyU)** 2019 - 2019

Exchange in Architectural Engineering

## Skills

C# Python PostgreSQL REST API Rhino Grasshopper Power Platform LLMs

## Side projects

### Andelskortet

A web-based tool for locating cooperative housing in Copenhagen.

TypeScript Mapbox Web Scraping React

### Solar Decathlon China

Optimized a roof with solar panels in China; awarded DTU's Blue Dot Diploma for my contribution.

Computational Design Object Based Programming Renewable Energy

### Cloud-Based LCA & BIM Solution

Master's thesis on integrating LCA calculations with BIM data using web tools with Rambøll.

Revit API LCAbyg API C#

### Rainwater Particle Simulation Tool

Bachelor thesis simulating urban rainwater flow with Bjarke Ingels Group.

Blender