

# Jacob Jörgens

German-American Citizen

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## Education

### The University of Chicago

• Major: Physics

Chicago, Illinois  
October 2017-June 2021

## Experience

### dein Ansatz, LLC (<https://deinansatz.com>)

Founder

New York, New York  
August 2024-Current

- Created a business around self-developed tech to customize, parametric jewelry and design goods

### Additional Professional Experience

*Cheesemonger, Green Roofer, Freelance AR Developer*

Various Locations  
May 2023-August 2024

- Managed daily operations, installed/maintained green roofs, developed augmented reality experiences

### Atmospheric Physics Research

*Researcher*

Chicago, Illinois  
June 2018-February 2023

- Redesigned the CHIWIS-ICOS instrument for testing at the IEETA cloud chamber (Moyer Group)
- Identified problems in the BEAM carbon emulator for social cost of carbon research (Moyer/RDCEP)
- Explored commercialization of non-axial ICOS technology with postdoc Ben Clouser (NSF I-Corps)

### Common Worlds

*Landscape Architect and Designer*

Chicago, Illinois  
April-August 2022

- Built playgrounds and developed communal spaces on the south and west sides of Chicago

### 57th Street Design (<https://57stdesign.com/>)

*Carpenter and Computational Modeler*

Chicago, Illinois  
March-October 2021

- Built a parametric model of a mass timber building typology in ghPython/Rhino
- Prototyped a mass timber floor-cassette module and handmade hundreds of furniture pieces

### Environmental Research Group (<https://enviroresearchgroup.github.io/erg/>)

*Board Member/Steering Committee*

Chicago, Illinois  
September 2018-June 2021

- Led the modeling subteam in projects on building energy use, air pollution, and traffic

### Uncommissioned Design

*Co-Founder*

Chicago, Illinois  
January 2019-September 2020

- Awarded \$10K grant through the Polsky Accelerator to develop parametric furniture design startup

### Watchtower Robotics

*Engineer*

Boston, Massachusetts  
June-September 2019

- Designed soft-robotic parts and processes in the production of water pipe-inspection robots

### Vertical Farming

*Engineer/Farmer*

New York, New York  
July 2016-September 2017

- Engineered automated sensors using IoT devices for Verticulture and Farm.One ([www.farm.one](http://www.farm.one))
- Designed and built a fully-automated aeroponic green wall

### Cancer Research (<https://doi.org/10.1084/jem.20150524>)

*Research Assistant*

New York, New York  
June 2013-June 2016

- Conducted research on acute myeloid leukemia in Dr. Ross Levine's Lab at MSKCC

## Software/Hardware Programming

Rhino, Grasshopper, Fusion360, Eagle, ESP32, RaspberryPi  
Python, C, R, HTML/CSS, Three.js, Next.js, AWS, React