

# Alexander Geht

Designer, Researcher, Entrepreneur

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## FIELDS OF INTEREST

Additive Manufacturing  
Assistive Technology  
Academic & Design Research  
Assistive Technology  
Digital Manufacturing  
Mass Customization  
Detail oriented

## SOFT SKILLS

Management  
Design Thinking  
Problem Solving  
Entrepreneurship  
Manufacturing  
Research & Development

## PROFESSIONAL SKILLS

Hebrew - Native  
Russian - Native  
English - Advanced

## PROFESSIONAL SKILLS

CAD

- Solidworks
- Fusion 360
- Rhino
- Grasshopper
- Meshmixer

VISUAL

- Sketching
- Rendering
- Photoshop
- Illustrator
- InDesign
- KeyShot

GENERAL

- Electronics
- Modeling
- Prototyping
- Arduino

Design is beyond esthetics and beauty, design can change human habits, improve the environment and influence global changes. The new Industrial revolution provide extraordinary opportunities, to make this revolution valuable we should challenge the abilities of technology, in order to discover new opportunities.

## EDUCATION

### M.SC. – MASTER OF SCIENCE IN INDUSTRIAL DESIGN

Technion - Israel Institute of Technology (IIT), HAIFA  
2017 - 2020

Research assistant with Prof. Ezri Terazi, and Prof. Yasha Grobman

- Design Research and Development
- Advanced Additive Manufacturing
- Design Thinking
- Research and thesis on additive manufacturing methods

During study activities

- Design Tech Lab coordinator
- Design Tech 2020 International symposium coordinator

### B.DES.- BACHELOR OF INDUSTRIAL DESIGN

Bezalel Academy of Arts and Design, Jerusalem  
2012 - 2016

- Industrial materials and manufacturing methods
- Advanced courses: Manufacturing, Sustainability, Inclusive design
- Assistive technology and agronomy
- Research assistant with Dr. Yona Weitz on urban behavior
- Collaboration projects with Keter Plastic Ltd, Aran R&D Ltd

### PRACTICAL ELECTRONICS ENGINEER

ORT College  
2004 - 2006

- Cum laude final project, collaborating with IDF

## TEACHING AND MENTORING

### LECTURER AT ASSISTIVE TECHNOLOGY COURSES

Bezalel Academy of Arts and Design  
Winter 2019

### LECTURER AT SOLIDWORKS COURSES

Bezalel Academy of Arts and Design  
Winter 2017

## VOLUNTEERING

### TOM - TIKKUN OLAM MAKER

DESIGN AND MANUFACTURING ADVISOR  
Jun 2014 - Present

As part of the TOM community, Designing products for people with disabilities, using Digital Manufacturing (3D printers laser cut, CNC milling etc.) That enable manufacturing of small series products for special needs.

# WORK EXPERIENCE

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## **TESTA SEAT - TAILOR SEATING SYSTEMS**

FOUNDER

Oct 2017 - Present

Aiming to provide affordable seating systems for special needs, we designed a unique adaptive seating system and we developed a cutting-edge manufacturing platform based on 3D-Printing and parametric design.

- Research and development
- Working with clinical staff
- Market research
- Manufacturing execution
- Marketing and customers services

## **BIOLEDN - LED ECO LIGHT SYSTEMS**

CHIEF DESIGN OFFICER

Jul 2014 - Present

Bioled developed a holistic solution for the management of horticulture lighting systems in greenhouses and Indoor Facilities to maximize agricultural production, prevent damages, and save electricity and energy.

- Product development and design
- Market research
- Manufacturing execution
- Website layout and design
- Branding including: Catalogs, flyers, visit-cards, assembly instructions etc...

## **PRAXIS - DIGITAL MANUFACTURING INCUBATOR**

CO-FOUNDER

Sep 2016 - Sep 2017

Post-bachelor research excellence program in the Bezael Academy. With a team of graduate students, we established the technological research group, "Praxis."

- Programs Manifesto and guidelines formation
- Binding agreement with academy
- Collaboration contracts
- Projects management and execution

## **ALYN HOSPITAL PEDIATRIC REHABILITATION CENTER**

INNOVATION AND PRODUCT DEVELOPMENT OFFICER

Sep 2015 - Sep 2017

ALYN treats children with a wide range of congenital and acquired conditions. As part of my responsibilities was to developing tailor solutions, cooperating with the relevant hospital crew, design and produce the required product.

- Product design and development
- Design thinking with clinical stuff
- Manufacturing execution

## **BEZALEL ACADEMY OF ARTS AND DESIGN, JERUSALEM**

STUDENTS' TUTOR & MANUFACTURING ASSISTANT

Sep 2013 - Sep 2016

- Tutor at design and technical courses
- Manufacturing execution assistant

## **ISRAELI DEFENSE FORCES (IDF)**

ARTILLERY RADAR SYSTEM PROJECT OFFICER

Jun 2006 - Aug 2012

R&D and Project Officer of Ground and Artillery Radar systems.

- Design and Development of novel radar systems
- Field experiments planning and execution
- Maintenance of operational systems

## **MCDONALD'S**

ASSISTANT BRANCH MANAGER

Sep 2004 - Aug 2006

Assistant Branch Manager

## CONFERENCES

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**2021** - [AMDay](#), Technion AM conference  
**2020** - [COVIDesign](#), Technion COVID19 Symposium  
**2019** - [3D Printing and Beyond](#), Global Additive manufacturing conference  
**2019** - [AMDay](#), Technion AM conference  
**2019** - [DESIGN TECH 2019](#) - IIT Technion international Design & Technology Sposium

## AWARDS

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**2016** - BEZALEL ACADEMY OF ARTS AND DESIGN - Best Graduate Project of industrial design  
**2018** - BEZALEL ACADEMY OF ARTS AND DESIGN - Polanski prize  
**2015** - MAKER BOT - [Best rapid prototyping of TOM SF Bay Area](#)

## EXHIBITIONS

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**2021** - Bloomfield Science Museum Jerusalem  
**2019** - Social Bauhaus, Haifa  
**2019** - Hope, Rishon Le-zion museum  
**2019** - Open Fields, [Moscow-Decorative art museum](#)  
**2018** - Open Fields, [Saint Petersburg Erarta](#)  
**2018** - Fresh paint, Art and Design Fair, Tel Aviv, [The Generator](#)  
**2017** - Solid works conference  
**2017** - Jerusalem Light Festival - Spores  
**2013** - Museum of israel, Jerusalem - SANDBOX

## PUBLICATIONS

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**2020** - [Geht, Alexander, Michael Weizmann, Yasha Jacob Grobman, and Ezri Tarazi. 2020. "Horizontal Forming in Additive Manufacturing: Design and Architecture Perspective."](#)  
In [CAADRIA 2020](#), 1:203–12.

## TALKS

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**2020** - [DESIGN TECH](#), My Master Thesis Seminar  
**2019** - [I-DAY](#), Technion Entrepreneurship and Innovation  
**2018** - MIT Media lab - tangble  
**2017** - Geekpicnic - Design for Disabilities  
**2017** - [Beit Issie Shapiro](#), Rehabilitation center webinar on mouth operated tools "colibri"  
**2016** - Holon Museum of Design

## PRESS

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**2020** - Technion IIT, COVID-19 [COROBOT Care at Rambam Hospital](#)  
**2020** - Walla News, COVID-19 [3D Printing face protection for medical stuff](#)  
**2019** - The Moscow Times, [Israeli industrial design at the Decorative Art Museum](#)  
**2018** - Calcalist, [36 people, under 36 that changing the world to a better place](#)  
**2016** - Leo Lene, [Caps in the Air: Graduates Presenting 3D Printed Design Projects](#)  
**2016** - Dsignzoom, [The strong arm](#)  
**2016** - The3Dzone, [3d printed mouth operating tool "colibri"](#)