

# ADRIAAN BERNSTEIN

*Creative Technologist & Designer*

## ABOUT

Driven by a fascination with how digital and physical spaces interact, I am constantly looking for new ways to create compelling narratives. By leveraging technology and design, I navigate these spaces to transform complex topics into engaging experiences. My work focuses on making information easier to understand and more accessible, thereby helping people actively participate in our increasingly digital world.

## KEY SKILLS

### TOOLS

Adobe CC (Ai, Id, Ps, Lr, Pr, Ae)

Figma

Final Cut Pro X

KeyShot

SolidWorks

Autodesk Fusion 360

Autodesk Eagle

### INDUSTRY KNOWLEDGE

Interaction Design

UX/UI Design

Product Design

Layout & Typography

Photography

PCB Design

Interactive Electronics (Microcontrollers, Sensors)

Rapid Prototyping (3D Printing, CNC Control)

Modeling and Fabrication (incl. CAD Modeling)

Material and Manufacturing Knowledge

Workshop Experience (incl. Wood/Metalworking)

### PROGRAMMING LANGUAGES

Arduino (C/C++)

Python (& CircuitPython)

Java (& Processing)

JavaScript (& P5.js)

HTML

CSS

## EXPERIENCE

February 2024 - Present

### CONCEPT, DESIGN, AND PROTOTYPING SPECIALIST

*Freelance, Berlin*

As a freelance professional, I offer comprehensive concept and prototype development services covering both design and engineering. My expertise includes the development of form, electronics, and mechanics; the integration of microcontrollers and sensors into design concepts (including PCB design and CAD modeling); as well as the creation of proof-of-concepts and functional prototypes. I also provide consultancy services in these areas.

March 2020 - August 2023

### EDUCATION AND RESEARCH TECHNOLOGIST

*Delft University of Technology, The Netherlands*

At the Faculty of Industrial Design Engineering at TU Delft, I oversaw the makerspace of the Human-Centered Design Department. I conceived and developed interactive tools and projects (primarily electronic and electro-mechanical) for educational and research purposes, such as the faculty's [↗ \*Connected Interaction Kit\*](#). I advised Master's and PhD students and taught the creative use of technology at both Bachelor's and Master's levels.

January 2020 - Present

### CREATIVE TECHNOLOGIST & EDUCATOR

*Self-employed, Netherlands & Germany*

As an independent creative technologist, I give workshops and lectures on physical computing, electronics, and creative prototyping. My past engagements include collaborations with TU Delft, Münster School of Design, and Delft Maker Faire. Additionally, I have presented artistic and educational projects at events such as re:publica, Dutch Design Week, and MozFest.

December 2017 - September 2019

### RESEARCH PROJECT & MASTER THESIS

*Gaggenau Hausgeräte, BSH Home Appliances Group, Munich & Delft*

During a research project that led to my master's thesis, I conceived, designed, developed, and tested prototypes of multimodal interfaces. Based on the knowledge gained from this process, I experimentally collected metaphors that bring technology closer to human intuition. My master's thesis subsequently focused on the development of a [↗ \*multimodal interface\*](#) that applies these findings in a kitchen context.

February 2017 - June 2017

### INNOVATION STRATEGIST

*Gaggenau Hausgeräte, BSH Home Appliances Group, Munich & Delft*

With five fellow Master Students skilled in product, strategic, and interactive design, I worked with Gaggenau to define the company's role in a socially and technologically more [↗ \*connected and experience-oriented\*](#) future.

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## LANGUAGES

German (Native)  
French (Native)  
English (Fluent, C2)  
Dutch (Intermediate, B1)  
Hebrew (Basic Knowledge)

## EXTERNAL LINKS

### WORK SAMPLES (PDF)

↗ [adrib.de/samples](http://adrib.de/samples)

### CONNECTED INTERACTION KIT

↗ [adrib.de/kit](http://adrib.de/kit)

### MULTIMODAL INTERFACE

↗ [adrib.de/multi](http://adrib.de/multi)

### GAGGENAU HOME GARDEN

↗ [adrib.de/garden](http://adrib.de/garden)

## CONTACT

### PHONE

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### MAIL

[adriaan@bernstein.design](mailto:adriaan@bernstein.design)

### WEB

[www.bernstein.design](http://www.bernstein.design)

June 2016 - September 2016

### DESIGN & ENGINEERING RESEARCH INTERN

*Signify (formerly Philips Lighting), Eindhoven, The Netherlands*

In a multidisciplinary team with experience in business administration, embedded systems and software development, we developed concepts for the use of intelligent lighting and IoT solutions in retail stores.

June 2014 - February 2015

### CO-FOUNDER, CTO & LEAD DESIGNER

*Entrepreneurship, Munich & Berlin*

Petnow (defunct): Smart wearables for pets along with an online platform.  
Taisty (Google Launchpad Berlin 2014; sold development status to GU Publishers): A platform for professionals that provides incentives and content to facilitate regular, healthy cooking in everyday life.

May 2014 - October 2014

### PRODUCT & INTERACTIVE MEDIA DESIGN INTERN

*ART+COM AG, Berlin, Germany*

During my time at this studio, I worked in product design, media-based communication, and media art, contributing to the creation of interactive installations and numerous other interdisciplinary projects.

August 2011 - July 2012

### CUSTOMER SUPPORT ENGINEER

*Sunny Systems GmbH, Munich, Germany*

I provided multilingual (DE, EN, FR) technical support to B2B customers and was involved in the development and quality testing of the online portal used for this purpose. I also facilitated the onboarding of new employees.

## EDUCATION

February 2016 - September 2019

### DESIGN FOR INTERACTION, MSc

*Delft University of Technology, The Netherlands*

During this graduate-level program, I focused on Human-Computer Interaction (HCI) and the humanization of new technologies. I have also engaged with Human-Centered design research in relation to UX/UI.

August 2012 - August 2015

### PRODUCT DESIGN, BA

*HTW Dresden, Germany & Holon Institute of Technology, Israel*

October 2008 - March 2012

### BIOINFORMATICS (not completed)

*Ludwig Maximilian University & Technical University of Munich*