



CAISEAL BEARDOW

Design researcher & creative technologist

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I am a researcher and technologist, specialised in interaction design for emerging technologies. I combine creative, technical and interpersonal skills to make complex systems accessible and intuitive. From facilitating workshops to prototyping interfaces, I bring a holistic, human-centred approach to everything I do.

Education

2021-2026 TU Delft (NL) PhD Quantum HCI

Course taken include:

- Scientific Text Processing
- Analysing Interview Data
- Research Design
- Educational Design

2018-2021 TU Delft (NL) MSc Design for Interaction (Cum Laude)

Courses taken include:

- Machine Learning
- AI and Society
- Prototyping IoT Products
- Interactive Technology Design

2013-2017 University of Bath (UK) BSc Architecture (Hons)

Courses taken include:

- Building Environment
- Detail Design
- Structural Mechanics
- Design Studio

Volunteering

2022- We In Quantum Development Organising Committee Member

I am an Organising Committee member of We In Quantum Development, a Dutch organisation that aims to create a more diverse, equitable and inclusive quantum technologies sector. My duties include:

- Event planning and hosting
- Stakeholder management
- Internal administration

Skills

Research methods

User interviews

Data analysis

Qualitative coding

Communication

Scientific writing

Prototype testing

Metric design

Public speaking

Co-creation sessions

Statistical analysis

Mentoring & teaching

Proficiencies

Prototyping tools

Arduino

Programming tools

Python

Design software

Photoshop

Figma

JavaScript

Illustrator

ProtoPie

Java

InDesign

Max

HTML/CSS

SketchUp

Experience

2021-2025 TU Delft (NL) | Doctoral researcher

I conducted research as part of the NWO project Quantum Inspire, developing human-computer interaction techniques for quantum computing. Activities and responsibilities included:

- Conducting **interview studies** with key stakeholder groups
- Facilitating **co-creation workshops** and **hackathons**
- Designing, building and testing physical and digital **prototype interfaces**
- Developing **user-centred metrics** for prototype assessment
- Reporting results through **academic publications**
- **Teaching** students at BSc and MSc level, including courses on interface design, basic programming and user research

2024- crb design (NL) | Moderator and speaker

I leverage my experiences in scientific research, design and education to facilitate panels and public events, focusing on the theme of diversity, equity and inclusion (DEI) in the technology sector. My work involves:

- **Collaborating** with **national and international** organisations, including UNICC, ITU and Quantum Delta NL
- **Building narratives** to communicate complex **technical and scientific content**
- **Connecting perspectives** across the technology sector, from academia to industry and policy

2022-2024
TU Delft PhD Council
PhD representative

I held the voluntary position of Department and Faculty PhD representative, collaborating with other members of the Faculty and University PhD councils to advocate for the needs of the PhD community. My duties included:

- Organising and hosting community events
- Collecting insights on community needs
- Liaising with Faculty and University-level management
- Advising on policy and educational strategy

2018-2019
de Voedseluin Rotterdam
Garden volunteer

I volunteered as a gardener at de Voedseluin, a community garden project in Rotterdam providing reintegration opportunities for individuals with a distance to the labour market.

2017-2018
North London Cares
Social events volunteer

I volunteered with North London Cares, an English non-profit organisation connecting older community members with younger neighbours through social activities.

Languages

English | Native proficiency

Dutch | B1 proficiency

French | A2 proficiency

Certifications

2019
Teaching English as a Foreign Language (TEFL)
Abridge Academy

I hold TEFL certification as a teacher of English as a foreign language, having completed my training over 6 months both in my home country of the UK and on placement at the Camford Royal School in Beijing, China.

2020-2024 **TU Delft (NL) | Communications content creator**

I produced content for internal and external communications at the faculty of Industrial Design Engineering, including:

- **Copywriting and editing** for internal newsletters
- **Voice acting** for video campaigns promoting educational programmes and academic publications
- Preparing and hosting a **podcast series** with experts from academia, industry and governance

2018-2021 **TU Delft (NL) | Creative technologist**

I assisted with prototype creation and testing as part of Vibe Research Labs, a research collective at the Industrial Design Engineering faculty. Projects were focused on health tech and design for well-being. My duties included:

- Designing and building **data-driven prototypes**, exhibited at Dutch Design Week and EuroHaptics
- Collecting and processing **research data**, including aesthetic ratings and biosignals
- Writing and editing **scientific publications**
- Designing and maintaining **web assets**

2015-2018 **Various (UK) | Trainee architect & visualiser**

I worked as a trainee architect and architectural visualiser within multiple mixed teams of architects, interior designers and structural engineers. My responsibilities included:

- Producing **construction drawings** and **technical details**
- Producing **architectural plans** and **design drawings**
- Creating rendered and digitally painted **visualisations** for project proposals
- Producing and maintaining **planning documentation**
- Conducting site and building **surveys**
- **Liaising with stakeholders** including clients, developers, engineers and planning authorities

