

ARINA KAPITANOVA

CREATIVE TECHNOLOGIST & SYSTEMS DESIGNER

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EXPERIENCE

Creative Technologist & Researcher

2022 - now

Independent · Berlin

- Built interactive systems (Raspberry Pi, Arduino, Python, sensors) investigating human-machine and autonomous interaction.
- *Coordinated°*, autonomous drone choreography and AR-based communication, with Studio Animaspace. Edigma Semibreve Award 2022; Lumen Prize nominee. Exhibited at Ars Electronica Garden Utrecht, Dutch Design Week, Semibreve (PT), Oyou Berlin.
- *Blind Field*, interactive sound installation using body tracking, ESP32-driven airflow and sound. Shown at ACUD, Berlin, 2026.

Digital Systems Coordinator

Oct 2024 - 2026

Urban Beta · Berlin

- Digital infrastructure for circular building systems within a government-funded R&D consortium.
- Evaluated 6+ construction-software platforms for lifecycle tracking, producing comparison matrices and implementation protocols.
- Structured sustainability data (LCA, CO₂, recyclability) for ESG reporting and platform integration; supported RFID component tracking across production-to-reuse.

R&D Project Coordinator

Jun 2023 - 2026

Beta Solutions · Berlin

- Coordinated cross-partner R&D for a modular, recyclable timber building system across 10+ organisations, delivered on schedule.
- Facilitated six component-development sprints; maintained CAD version control, sprint protocols and component tracking; authored compliance reports and reusable templates.

Information & Communication Designer

May 2022 - 2025

Freelance

- Publication system for *The Social City* (TU Berlin / University of Campania), layouts, information graphics, production; visual materials for urban-innovation and sustainability projects.

Co-Founder & Strategy Lead

Nov 2023 - Dec 2024

Experimentars · Rotterdam (NL)

- Co-founded a product-R&D initiative exploring on-demand manufacturing with computational design and recycled materials.
- Built digital infrastructure (e-commerce, CRM, workflows); researched recycled bioplastics and regional waste streams for local production.

Urban Systems Researcher & Designer

Dec 2016 - Oct 2018

Strelka KB

- Authored design codes and regulatory guidelines adopted as official municipal standards; coordinated 7+ city projects, translating community input and policy into actionable frameworks.

PROFILE

Creative technologist and systems designer who builds prototypes and coordinates multi-stakeholder R&D where technology, sustainability and people intersect. 10+ years across interactive systems, circular-economy infrastructure and design, from early-stage concept through to delivery.

SKILLS

TECHNICAL & DIGITAL

Prototyping · Sensors / IoT · Raspberry Pi & Python · Digital fabrication · RFID · Platform integration · Data structures

RESEARCH & ANALYSIS

Systems analysis · Design research · Stakeholder research · Comparative evaluation

COORDINATION & PM

Multi-stakeholder coordination · R&D management · Sprint facilitation · Documentation systems

DESIGN & COMMUNICATION

Information design · Data visualization · Content strategy · Visual communication

DOMAINS

Circular economy · Responsible design · Sustainable systems

EDUCATION

MA, Urban Design

Technische Universität Berlin

BArch, Architecture & Heritage Preservation

Russian Academy of Painting, Sculpture & Architecture

CERTIFICATIONS

Sustainability & Project Management

IU Akademie

Water Governance, Theoretical Perspectives

NEWAVE

LANGUAGES

English, Advanced · German, Upper intermediate · Russian, Native