

Curriculum Vitae — Jussi Kajala

Personal Information

- **Name:** Dr. Jussi Kajala
- **Position:** CEO & Co-Founder, 3DBear Oy
- **Email:** jussi@3dbear.fi
- **Phone:** +358 50 561 5411
- **Location:** Helsinki, Finland

Summary

Technology leader and entrepreneur with deep expertise in physics, AI, and educational technology. PhD in computational physics with research in singular value decomposition (SVD) and parallel computing — the mathematical foundations of modern AI models. Tekes Employee of the Year 2015. Co-founded 3DBear in 2016, building Simuna into Finland's leading AI-powered learning platform for vocational education.

Education

Year	Degree	Institution
2007–2011	Doctor of Science in Technology (D.Sc.), Physics	Aalto University School of Science and Technology
2003–2007	Master of Natural Sciences (M.Sci.), Physics	University of Cambridge, UK
1999–2002	International Baccalaureate (44/45)	Kuopion Lyseon lukio

Doctoral thesis: optimization problems solved by singular value decomposition (MPS-SVD). Five publications in international peer-reviewed journals. Minor in industrial engineering and management (leadership in organizations). Teaching award for excellent teaching (2010).

IB extended essay received awards in two science competitions (Tutki-Kokeile-Kehitä, Viksu); represented Finland at EU “rising stars” competition.

Professional Experience

Period	Position	Organization
Apr 2021–present	CEO, Co-Founder	3DBear Oy, Helsinki
Sep 2016–Mar 2021	COO, Co-Founder, Chairman of the Board	3DBear Oy, Helsinki
Jun 2025–present	Board Member	Mobie Oy

Period	Position	Organization
May 2024–present	Board Member	Seppo.io (Lentävä Liitutaulu Oy)
Feb 2014–Sep 2016	Senior Adviser	Tekes (Finnish Funding Agency for Innovation)
Mar 2013–Feb 2014	Senior Analyst	Spinverse Consulting
Oct 2011–Feb 2013	Analyst	Spinverse Consulting
Aug 2007–Oct 2011	Graduate Researcher	Aalto University School of Science and Technology
Jan 2008–Jun 2011	Teaching Assistant	Aalto University

Key Competencies

- Educational technology strategy and platform development
- AI/XR integration in vocational education and training
- International project management (Erasmus+, EU-funded projects)
- Business development, B2B sales, and startup leadership
- Computational physics, data science, and innovation management

Selected Achievements at Tekes

- Led the national 3D-printing development programme Admani
- Responsible for Tekes strategy development
- Led in-house analytics team of 10 people
- Advised Finnish and international startups in business development and funding
- **Tekes Employee of the Year 2015** — youngest recipient ever

Selected Achievements at Spinverse

- Led Chief Technology Forum concept (expanded into Russia and Europe)
- Responsible for EuroNanoForum 2013 and Industrial Technologies 2012 congress
- Company best salesman award

Relevant Projects

- **Simuna** — AI-powered learning platform for vocational education, used by ~50% of Finnish vocational schools
- **NEXR (2025–2028)** — Nursing Education with Extended Reality, Erasmus+ KA220-VET. 3DBear project lead, WP4 T4.4+T4.5 lead
- **Bit the Spectrum** — EU project developing VR/AR exercises for students on the autism spectrum
- **Circular Economy Game** — Immersive learning simulation for sustainability education

Selected Publications & Presentations

- Five publications in international peer-reviewed physics journals (2007–2011)
- Speaker, Design Pavilion NYC (2018): “Bringing the Virtual World to Life: VR to AR to 3D Printing”
- Featured guest, Rahoituskierros podcast (Episode 49): Startup funding journey and edtech pivots
- Doctoral thesis: [Aalto University repository](#)

Languages

- Finnish (native)
- English (fluent)