

Mr Risto-Antti Paju

Education

University of Jyväskylä, Finland Graduate studies in Physics, 2005–2006 Teacher training in Physics and Mathematics, 2006–2008 Subject studies in Chemistry, 2009–2010 Subject and advanced studies in Mathematics, 2013–2015	2005–2015
University of Cambridge, UK (Queens' College) MA & MSci (Hons) Natural Sciences: Experimental and Theoretical Physics	1998–2002
Kuopion Lyseon Lukio, Kuopio, Finland IB Diploma	1994–1997

Professional experience

Algorithmic artist (algoristo.com) Bridges math-art conference artist 2016, 2017, 2018, 2019, 2020	June 2015–present
Independent cryptocurrency developer and investor Co-developer of the first open-source FPGA Bitcoin miner	July 2010–present
Viitaniemi School, Jyväskylä, Finland Mathematics and science teacher	August 2010–December 2012
Department of Environmental Science, University of Kuopio, Finland Research scientist	November 2008–July 2009
Normaalikoulu, University of Jyväskylä, Finland Part-time science teacher	April–September 2008
Voionmaa School, Jyväskylä, Finland Mathematics and science teacher, IT administrator	August 2003–June 2005
Metso Automation Inc. Field Systems, Varkaus, Finland Summer trainee: Hardware and software development for industrial measurement systems	July–September 2002
CERN, Geneva, Switzerland Summer student: Software development for the HARP hadron production experiment	July–September 2001
PulpExpert OY, Varkaus, Finland Summer trainee: Hardware development for industrial measurement systems	June–September 2000
Varkaus Town, Finland Summer trainee: Interpreter, graphics and video editing, newspaper contributor	July–September 1998

Language proficiency

Finnish (first language); English (fluent); German, Swedish (fair); Chinese (basic)

Computing and electronics

Fields of experience	Simulations, signal processing, measurement systems, system and network administration, technical writing, visualization
Languages and tools	Bash, C, C++, CSS, Fluent, Fortran, GLSL, [X]HTML, Julia, LaTeX, Matlab, MySQL, Perl, PHP, Python, Verilog
Operating systems	Linux, NetBSD, DOS, Windows

Voluntary work and positions of trust

Jyväskylän kansannäyttämö: actor, musician, composer, sound and visual designer, treasurer 2006, 2008, 2010, 2013–2020

Jyväskylä Student Theatre: musician, composer, light and sound designer/technician, technology officer, treasurer 2005–2009, 2012–2014

Sektorii.com news forum: moderator 2002–end

Varsity (Cambridge student newspaper) and bluesci.com: science reporter 2000–2001

Cambridge University Scientific Society: general committee member 2001

Cambridge University Physics Society: Queens' College representative 1999–2001

Kuopion Lyseon lukio: physics/mathematics tutor 1995–1996

Distinctions and awards

Top ten placements in national competitions of secondary-school mathematics, physics and chemistry, 1995–1997

Second place in the Vermes Miklos physics competition, Sopron, Hungary, June 1996

Foundation Scholarship at Queens' College, Cambridge, June 2000

Other interests

Music composition and production, writing, yoga, electronics, programming

Contact info

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IRC	teknohog on IRCnet
Facebook	https://www.facebook.com/algoristo/
Instagram	@algoristo