

Mr Risto-Antti Paju

Education

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| 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

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| Algorithmic artist (algoristo.com) Notable publicity: Bridges math-art conferences 2016, 2017, 2018 | 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

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| 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–

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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| Email | risto.a.paju@iki.fi |
| Websites | http://algoristo.com/ , http://iki.fi/teknohog/ |
| IRC | teknohog on IRCnet |
| Facebook | https://www.facebook.com/algoristo/ |
| Instagram | @algoristo |