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### Short description:

I am a 34-year-old research and ICT-professional from Helsinki. My background is in computer science (BSc) and bioinformatics (MSc). I am also finishing a PhD in biotechnology. I am an expert of various programming languages, operating systems and computer maintenance.

### Education:

- **PhD** student, Integrative Life Sciences Doctoral Programme, University of Helsinki – 2014 →  
Major: Biotechnology
- **MSc**, Master's Degree Programme in Bioinformatics, University of Helsinki – 16.12.2013  
Major: Bioinformatics
- **BSc**, Computer Science, University of Helsinki – 18.6.2009  
Major: Computer Science  
Minor(s): Mathematics, Statistics, Bsc thesis: *Mobile IPv6:n tietoturva ja reititystesti*

### ICT-skills:

- Wide knowledge of programming languages: Python, Java, C, C++, HTML, CSS, Perl, MATLAB, R and shell scripting languages.
- Wide knowledge of operating systems: Windows, Linux, FreeBSD, MacOS, iOS, Solaris, Android.
- Wide knowledge of computer contents, basic components and operations (von Neumann -model).
- Wide knowledge of cyber security and IT system administration and information security.

### Other education/achievements:

- University of Helsinki & Reaktor Innovations **Elements of Artificial Intelligence**, graduate 2018
- University of Helsinki & F-Secure **Cyber Security Base**, graduate 2017
- Driver's license BC 2003
- Military service in Finnish Defence Force 2004-2005 (First Sergeant *Vänrikki* / signals)

### Language skills:

- Finnish – mother tongue
- English – excellent written and spoken
- Swedish – very good written and spoken
- German – good written and spoken
- French – basics

**Work experience:**

**Currently:** University of Helsinki (Finland) – PhD student, bioinformatician 1/2014 (ongoing)

Job description: application of bioinformatics tools on next-generation sequencing methods in DNA sequencing and genomics laboratory, Institute of Biotechnology, University of Helsinki.

University of Helsinki (Finland) – research assistant 09/2009-08/2012

Job description: scripting and using population simulation tools.

University of Helsinki (Finland) – summer trainee 06/2009-08/2009

Job description: scripting and using population simulation tools in Argeopop project.

Founder: Konekettu (Helsinki, Finland) – yksityinen elinkeinonharjoittaja 08/2008 (ongoing)

Description: homepage- & Internet-service design, implementation, maintenance, ICT-helpdesk, computer repairs & computer maintenance – <http://konekettu.fi>