

## Timo Albert Hintsa

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<https://www.linkedin.com/in/thintsa>

Born 3.8.1978. Married with 3 children.



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### PROFESSIONAL PROFILE

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I am a multitasking, fast learning and early adopting technology enthusiast with a long professional experience in programming, requirements elicitation and software design. I love good design and simple functional interaction.

At VTT I have worked on co-creation, co-development, user-centred design, novel user interfaces and new co-design and service design tools at Owela Open Web Lab (see <http://owela.fi>) as well as semantic web (see <http://profile.vtt.fi>) and content aggregation, big data and distributed services in other projects (e.g. <https://itea3.org/project/acdc.html>). As a project manager I have run projects with several b2b and b2c companies as well as governmental institutions.

My previous experience ranges from game development to network hardware installation to broadcast television to assisting in shooting eyes with a laser.

My expertise include:

User Experience

Digital media and media management

Project management

Software Architectures

Co-Development

Semantic web

Programming: Java, PHP, JavaScript, C variants, SQL and NoSQL databases

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### PROFESSIONAL EXPERIENCE

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VTT, Espoo

*Research Scientist (Trainee until March 2009)*

March 2007 – December 2014

Achievements:

Real-time platform for tracking users and displaying recommendations at the rate of 400 clicks per second while evaluating 20 different recommendation engines for 150'000 weekly users at <http://pelikone.fi>. Received commendations for the evaluation setup and execution.

Winner at MediaEval Benchmark 2011 social event detection task, where a number of pictures were combined to a social event based on their metadata and visual features. Implemented a semantic linked data based recommendation engine to address the task.

Virtualized research groups project servers saving roughly 300'000€ in hardware costs in the first two years.

Part of the team who set up the experimental mobile television based on DVB-H as an urban back channel with Stadi.TV for Eurovision song contest in Helsinki

Responsibilities:

User-centred design research, Owela Open Web Lab administrator for more than 100 projects

Owela development and new tools in HTML, CSS, JavaScript and NodeJS

Project manager

Data and metadata management, big data, semantic web

Linux system maintenance, Windows Server maintenance, cloud services and virtualization

OtaDigi.tv digital television test network administrator

VTT, Espoo

*Support Trainee*

May 2001 – August 2003

**Achievements:**

Designed and programmed a device database for devices and device documentation

Migration of legacy Windows NT networks to AD

**Responsibilities:**

Support duties in Windows and Linux network

Systems support for Windows Server products and Linux servers

Workstation and server hardware and software installation

Network hardware installation

Silmäkeskus Laser Oy, Helsinki

*IT Expert*

May 1999 – December 2008 (part time starting from 2001)

**Achievements:**

Patient database and reservation application design and programming from scratch

**Responsibilities:**

Windows network and workstation management and support

Patient database programming

Operating laser calibration and running

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## EDUCATION

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University of Helsinki

*M.Sc., Computer Science, Software Systems, Software Architectures*

Master's thesis subject: Use cases and communication between stakeholders when gathering requirements for a service-oriented system

Secondary subject for the degree: Method sciences (mathematics and statistics)

March 2009

University of Helsinki

*B.Sc., Computer Science, Game Theory*

October 2007

Pihtiputaan Lukio

*Finnish matriculation examination*

May 1997

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## LANGUAGE SKILLS

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Finnish – native, English – fluent in full professional level, both spoken and written, Swedish and German – I understand both, but haven't used in ages.