Europass Curriculum Vitae

Personal information

Surname / First name	**Jeras Iztok**
Address	Hrvatini 100, 6280 Ankaran, Slovenia
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Homepage	www.rattus.info
Nationality	Slovenian
Date of birth	03 July 1977
Gender	Male

Desired employment / Occupational field	**Hardware development, scientific research**

Work experience

Dates	06 August 1999 - 14 February 2001
Occupation or position held	developer
Main activities and responsibilities	hardware development and debugging, HDL programming
Name and address of employer	DD DIGITAL DEVELOPMENT Tavčarjeva 10, SI-1000 Ljubljana, Slovenia
Type of business or sector	hw & sw and system design and development
Dates	August 2004 - December 2004
Occupation or position held	web page designer
Main activities and responsibilities	web page design and content presentation
Name and address of employer	Zavod za varstvo kulturne dediščine Slovenije, Restavratorski center Poljanska 40, SI-1000 Ljubljana, Slovenia
Type of business or sector	restoration
Dates	12 December 2006 →
Occupation or position held	developer
Main activities and responsibilities	hardware development, introduction of new technologies, system design and project leading
Name and address of employer	Iskra Sistemi d.d. Stegne 21, SI-1000, Slovenia
Type of business or sector	power system protection and control

Education

Dates	16 September 1996 - 04 October 2005
Title of qualification awarded	University Dipl. Ing. of Electrical Engineering
Principal subjects / occupational skills covered	telecommunications

Name and type of organisation providing education and training	University of Ljubljana Faculty of Electrical Engineering Tržaška cesta 25, SI-1000 Ljubljana, Slovenia
Dates	05 October 2003 →
Title of qualification awarded	Ph.D. degree in Computer and Information Science
Principal subjects / occupational skills covered	computer and information science, cellular automata, discrete dynamic systems
Name and type of organisation providing education and training	University of Ljubljana Faculty of computer and information science Tržaška cesta 25, SI-1000 Ljubljana, Slovenia

Training and conferences

Dates	August 1989
Subject	Logo an BASIC languages
Event description	Summer Computer School for Elementary School Children
Dates	July 2002
Subject	SVG (XML based description language for 2D vector graphics)
Event description	SVG Open (Zurich 2002)
Dates	28 - 31 May 2006
Subject	Cellular Automata
Event description	The Sixth International Conference on Computational Science University of Reading 2006

Language skills

Mother tongue	**Slovenian**

Other languages

Self-assessment

European level (*)

	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	C1	Proficient user
Italian	C2	Proficient user	C2	Proficient user	B2	Independent user	B2	Independent user	B1	Independent user
Serbian, Croatian	B1	Independent user	B2	Independent user	A2	Basic User	A2	Basic User	A2	Basic User

(*) Common European Framework of Reference (CEF) level

Technical Skills

Hardware (system design)	hardware description languages VHDL, Xilinx's ABEL, Altera's AHDL FPGA and CPLD chips from Altera (Max, Cyclone II) and Xilinx serial and parallel interfaces RS232, SPI, 3wire, I2C, 1wire, Ethernet, PCI, SDRAM, DDR SDRAM and 60x (PowerPC) SoC design with Altera Sopc Builder SoC design for DSP
Hardware (microprocessors)	8bit micro controller families: Intel MCS-51, Atmel AVR, Microchip PIC Motorola and IBM PowerPC processors: MPC860, MPC850, MPC750, PPC750 Texas Instruments DSP Altera Nios II soft processor

Software	basic assembler knowledge
	basic C knowledge
	basic Javascript
	XML and some DOM and XSLT knowledge
	Matlab and Octave
Word-processing Typesetting	Microsoft Word, Visio and Mathtype
	OpenOffice.org Writer, Draw and Math
	LaTeX, Mediawiki
Graphical design	XHTML+CSS and SVG
	Adobe Photoshop and Illustrator
	Gimp, Inkscape and Fontforge
System Administration	Windows desktop
	Linux desktop (Gentoo, Ubuntu basics, uCLinux basics)
	Linux server basics (Gentoo, Apache, Subversion, Trac, Mediawiki)

Other Skills

Organisational skills and competences	scheduling tasks among in-house and developers and contractors
Artistic skills and competences	clay sculpturing, graphical design
Driving licence	Category B

School research projects

Date	1999
Title (description)	Human Interface Devices (I/O devices from keyboard to virtual reality)
Date	2001
Title (description)	Smoothening of Colored Fields on Raster Images (color quantization and adaptation of morphology and sample arrangement to raster images with few quantized colors)
Date	2000 - 2001
Title (description)	XML Standard (crating new description languages as SVG and XHTML)
Date	2003
Title (description)	Software Defined Radio (software and reconfigurable hardware based FM radio, program selection and demodulation)

Publications

Date	1995
Title	Prvorojenka
Description	poetry compilation
Date	2006
Co-author	Andrej Dobnikar
Title	Cellular Automata Preimages: Count and List Algorithm
Published in	International Conference on Computational Science (3) 2006: 345-352

EUROPEAN LEVELS - SELF ASSESSMENT GRID

		A1	A2	B1	B2	C1	C2
UNDERSTANDING	Listening	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided. I have some time to get familiar with the accent.
	Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
SPEAKING	Spoken Interaction	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers.	I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	Spoken Production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
WRITING	Writing	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.