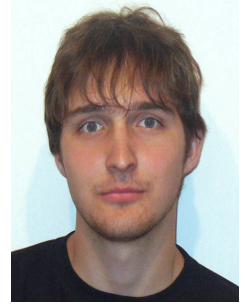




Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Ján MARGETA**
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Nationality Slovak
Date of birth 08/06/1985
Gender Male



**Desired employment /
Occupational field** **Computer vision in medical imaging engineer**

Work experience

Dates 01/2009 →
Occupation or position held Image analysis student placement
Name and address of employer Toshiba Medical Visualization Systems Europe
Edinburgh (United Kingdom)

Dates 08/2007 - 09/2007
Main activities and responsibilities Main tech. support
Organization of events
Communication with incoming students
Translations
Name and address of employer Studia Academica Slovaca
(Slovakia)

Dates 2004 - 2006
Main activities and responsibilities Development of a network database application
TCP/IP embedded stack porting
PCB design
Control of a mechanised storage system
Name and address of employer EK ltd.
(Slovakia)
Type of business or sector Security systems

Dates 01/05/2003 - 01/06/2003
Occupation or position held Novum SK ltd.
Main activities and responsibilities Software development
Printed circuit board design
Name and address of employer (Slovakia)

Dates 01/07/2002 - 14/07/2002

Occupation or position held	Kueng AG
Main activities and responsibilities	Quality control of plastic parts' production
Name and address of employer	(Switzerland)

Education and training

Dates	09/2007 →
Title of qualification awarded	Joint MSc. in Computer vision and robotics
Principal subjects / occupational skills covered	Computer vision and Robotics Image processing and analysis Basics of image restoration techniques Scene segmentation and interpretation Real-time image processing Visual perception, multiple view geometry Machine learning Pattern recognition Infrared Imaging Medical Imaging 3D Digitization
Name and type of organisation providing education and training	Université de Bourgogne, Universitat de Girona, Heriot Watt University Le Creusot, Girona and Edinburgh (France, Spain and United Kingdom)
Level in national or international classification	ISCED 5 Master of Science
Dates	30/06/2008 - 18/07/2008
Title of qualification awarded	French language - Advanced
Principal subjects / occupational skills covered	Intensive course of French language
Dates	13/07/2007 - 27/07/2007
Principal subjects / occupational skills covered	Biomedical engineering: Medical imaging Principles of electroporation Functional electrical stimulation Haptic devices Extremities reconvalescence
Dates	2004 - 2007
Title of qualification awarded	Bachelor of engineering
Principal subjects / occupational skills covered	Automation and measurement: Fundamentals of Robotics Control theory and signal processing Fundamentals of artificial intelligence Programming Mathematics Physics Industrial control Sensors and measurement Embedded system FPGA design
Dates	08/2006 - 02/2007
Principal subjects / occupational skills covered	Automation of industrial processes: Robust and optimal control Nonlinear systems Networking for industry Scheduling Modeling and optimization of production

Petri nets
French language
Speakers' skills in English

Dates 06/2006 - 07/2006

Principal subjects / occupational skills covered From innovation to industrial production:
Team project in a multicultural and international team
Stakes of industrial production
Poles of competitiveness
Business intelligence
Team leaders' skills

Dates 03 July 2005 - 21 July 2005

Title of qualification awarded French language - Lower intermediate

Principal subjects / occupational skills covered Intensive course of French language

Dates 2000 - 2004

Title of qualification awarded Automation technician

Principal subjects / occupational skills covered Mathematics
Physics
Automation
Programming
Electronics
Embedded systems
Materials in electronics
English

Dates 1999 - 2002

Title of qualification awarded First Certificate in English: Grade C

Principal subjects / occupational skills covered English/preparatory classes for FCE

Personal skills and competences

Mother tongue(s) **Slovak**

Other language(s)

Self-assessment
European level ()*

English
French
German
Spanish / Castilian
Czech

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user
B1	Independent user	A2	Basic User	A2	Basic User	A1	Basic User	A1	Basic User
B1	Independent user	B2	Independent user	A2	Basic User	A1	Basic User	A2	Basic User
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C1	Proficient user

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

Team spirit and work commitment
Fast adaptation to work in multicultural environments gained through the study experience abroad

Organisational skills and competences

Fair problem solving skills gained through active participation on several projects
Control, scheduling, innovation and design of technological processes (summer school in Cherbourg,

	studies in Grenoble)
Technical skills and competences	Advanced knowledge of electronic circuits' design from the idea through the whole printed circuit boards' technology, debugging and prototyping to the release of the final product Adaptability to advances in technology Embedded system design and programming
Computer skills and competences	Advanced programming in C, C++, MATLAB, Handel C with PixelStreams library, Reasonably good command of C# (under .NET framework), Pascal Good command of computer simulation programs (MATLAB Simulink, Arena, WITNESS) Basics of parallel programming DSPs from TI Basics of FPGA design Basic knowledge of POSIX compliant systems Good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™) and Microsoft Windows™
Artistic skills and competences	Guitar play, Dance, Digital photography
Other skills and competences	Skiing (Ecole de Glisse Grenoble) Wild-water sports (Wildwater club in Brno) Swimming (Course of swimming in Brno)
Driving licence(s)	A1, B
Additional information	<p>Projects:</p> <ul style="list-style-type: none"> - Investigations in Volume registration - 3D reconstruction from weak structured light: implementation of project "3D photograph of your desk", where object shape is reconstructed from a casted shadow - Real-time finger counting : desing and implementation of a real-time scale invariant finger counting algorithm into a XILINX FPGA based evaluation board - Building recognition: evaluation of various feature detectors and descriptors leading to a simple building recognition project. Later expanded to a project similar to the "Pascal Visual Object Classes Challenge" - Control of haptic glove (bachelor thesis) : design of a control algorithm of a glove for virtual reality and its implementation into the microcontroller - Data mining in Second Life : data mining algorithm design used to find fashion in the virtual world - Access sytem with PLC : use of programmable logic controller to prevent unauthorized access into secured object - Dynamic bit array: educational C++ class for advanced operations with binary coded numbers - System for remote administration and supervision: remote administration of security boxes' modules via Ethernet , communication with database (MySQL)

- Label printing software : communication with external electronic scale and printing of graphics and measured data onto the etiquettes

- Liner - Electronics and control program for a line follower robot

Language certificates:

- 2007 - TOEFL IBT: 106/120

- 2002 - First certificate in English: Grade C

Awards:

- Master 2 recherche du Conseil Régional de Bourgogne scholarship

- Dean's award for an excellent bachelor thesis (Brno University of Technology)

- Student of the year 2004 (Secondary Technical School Dubnica)

EUROPEAN LEVELS - SELF ASSESSMENT GRID

		A1	A2	B1	B2	C1	C2
U N D E R S T A N D I N G	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.
S P E A K I N G	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.
W R I T I N G	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.