Technical Curriculum Vitae

Personal data

Name:	Peter Kertesz
Place, date of birth:	Debrecen (Hungary), 27. January 1978.
Address:	H-8053 Bodajk, Körtefa str. 9.
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Health:	Excellent
Marital status:	Married
Languages:	English fluent, Hungarian mother tongue German a little bit

Work experience

Time interval	Technology	Engineering Tasks	Program Language
2012	Water-Jet	Prepare offline program refer to 3D modell, upload and test online.	RAPID
2012	Automotive	Prepare robots with offline made programs for coordinate system teaching, make the coordinates with laser systems, pick up coordinates with robot. Test robot movements and change the path.	RAPID, KRL, KAREL
2010-2011	Arc welding	Improve systems (51 robots) with weld error recovery menu, TCP measure logging, arc ignition failure logging. Training for OnLine path setup.	RAPID
	Spot welding	Training for OnLine path setup.	RAPID
	Press tending	Improve system (7 robots) with collision zones at pick&place zones and tune the trigger distances.	RAPID
	Poka-Yoke tester	Design a tester for sensing subcomponents on a semi-finish part and write the PLC program.	WinSys
	Gluing	Setup the camera for checking the presence of the glue.	Cognex Checker
	Official	Prepare maintenance documentation for a new system and collect spare part lists. Install a new software for OnLine programming from PC with graphical interface.	
2001-2010	Arc welding	Plan and install a system with touchsens option and tube welding instructions.	RAPID

	Palletizing	Plan and install the robot part of a system with palletizing option where picking are measured and placing are given from external database.	RAPID
	Casting test	Plan and install the robot part of a system with de-palletizing, machine handling and palletizing tasks. Picking are positioned by a robot mounted camera.	RAPID
	For machining	Improve robot system for a better cycle time where more robots are working in one working area.	RAPID
	Painting	Plan and install the robot part of a system with air-mix, conventional, powder and robobell gun with high voltage. Programs are prepared by me and planed for OnLine edit from PCs with ShopFloorEditor. IPS (IntegratedPaintSystem) programming in Germany with closed loop system.	RAPID, RobTalk
	3D Modelling	Virtual robot station planning and programming with moving units, grippers and video show for quotations. Create robot path from curves of a 3D model and load it in the real station.	
	Official	Prepare installation documentation, creating manuals for training and installations where special programs are used.	
1999	Halogen lamp manufacturing	Create a description of a rotary table working method and plan the PLC program.	GE Fanuc

Education

2012

KUKA robot safe operation training

2011

IE Basic from MTM – Process optimization training

2006

Paint technology training (in Norway one week)

2005

IRC5 robot programming training (in Praha one week)

2004

RobotStudio modeling training (in Praha one week)

2002

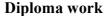Robot training in Norway (two weeks)

2000 - present

Technical **University** of city Budapest
Precision and optics engineering and medical engineering

1997-2000

Technical Faculty **College** of city Kecskemét
Degree in automation mechanical engineering

Diploma work
Subject: Planning of a PLC program for a flare making circling auto acting.
(At General Electric Hungary Machine Division using LM90-20 type of PLC controlling)

1996-1997

Gábor Dénes Technical **Secondary School Tech** Instruction, city of Debrecen
Technician of information and computer technology

1992-1996

Gábor Dénes Technical **Secondary School**, Debrecen

PC skills	**Hobbies**
RobotStudio, ShopFloorEditor, RobView, Microsoft Office Applications, AutoCAD, SolidWorks, SolidEdge, PADS Basic, CAPTOR	Building models, hiking, badminton, making PCB, DIY usage of green energy