

INTERNSHIP PLAN (Must be filled <u>before</u> Internship 1 (using word processing) and returned to your training supervisor.)

STUDENT

Name	Alexey Tukalo
Student Number	67687

EMPLOYER

Organisation	Karlsruhe Institute of Technology (KIT)		
	Institute for Data Processing and Electronics		
Address	Hermann-von-Helmholtz-Platz 1		
Post Code and Place	D- 76344 Eggenstein-Leopoldshafen		
Field of Business	Education and research		
Contact Person	Dr. Torsten Hopp		
Phone	+49 721 608 2 5990		
E-mail	torsten.hopp@kit.edu		

INTERNSHIP

INTERNSHIP							
Time	07.	07.		-	31.	11.	2015
Number of weeks	Total of	19	weeks				
Working hours	760						
How does the coming	The work						
internship strengthen	knowledge						
my curriculum and	and get ar					ge proc	essing
career planning?	which is a	so ver	y interes	ting for r	ne.		
Characteristics and knowhow required at the chosen field of business.	I will be a informatio will be ma processing	n colle de via	cted by t ImageJ f	he 3D U ramewo	SCT. The $^{\circ}$ rk with dif	visualiza Ferent i	ation
I have the following characteristics and knowhow relevant to my field.	I studied of signal produced from is of the field spent a lower will help not be a a	cessing career ds relate t of my on tecl	during lof Data Sted with the spear tinnics and	ast two sciences this spec me for le	years at U and visual ialisation. earning of that the w	niversit isation So, I a a basic ork pla	ry. My is one Iso have s of cement
I have the following shortcomings in the characteristics and knowhow relevant to my field.	I have no knowledge significant	e of MA	ATLAB is				
The main learning	1.Object-c						
objectives for this	2.Function			g and Ma	ATLAB		
internship period.	3.ImageJ						
	4.Digital in	mage p	orocessin	g			



INTERNSHIP PLAN

Unit of Engineering and Technology

5. Visualisation technics	
6.Experience in development of medical equipment	

Date and Place

Student's Signature



INTERNSHIP CONTRACT

to be drawn up in three copies

STUDENT	AND	INSTITU	TION
O . O D LIVE	ruce	ALIO CALO	LAUIT

Surname Given Names Social Security Number

Tukalo Alexey 210794-291U

Address

Taivaanpankontie 14 A 14/1, 70200, Kuopio, Finland

Telephone Email Group code

+79535441714 alexey.a.tukalo@edu.savonia.fi EFA12SF (must be used during the work placement period)

Degree Programme Completed Credits Degree

Information Technology 181 cr Bachelor of Engenering

Supervising Teacher Telephone and Email

Arto Toppinen +358447856222 Arto.Toppinen@savonia.fi

EMPLOYER

Name of the Company Business ID

Karlsruhe Institute of Technology (KIT)

Institute for Data Processing and Electronics

Address, Postal Code Telephone

Hermann-von-Helmholtz-Platz 1 +49 721 608 2 2027

D- 76344 Eggenstein-Leopoldshafen

Supervisor Telephone and Email

Dr. Torsten Hopp +49 721 608 2 5990 torsten.hopp@kit.edu

Contact Person Telephone and Email

(i not the same as above)

INTERNSHIP

Aims

- Get an expirience of object-oriented and functional programing in real-life project
- Improve knowledge of image and sensore signal processing
- Take part in the development of the medical device

Duties



	Literature rese	earch for 3D/	4D visualization techr	iques and supp	porting software packages for Java and/or	
3.0	Development of prototypes for combined 3D USCT volume data visualization					
	Development of prototypes for 4D information visualization					
	 Implementation of the data visualization in our customized DICOM viewer including the data 					
	handling and user interface design.					
	Evaluation in o	cooperation v	with radiologists			
Validity	of Contract a	and the amo	ount of Study Credit	s	Working Hours	
	200 -	1	200		5 month or 19 week or 760h	
			t will get after this i upervising teacher)			
Pay exc	cluded		Pay included V	Amount	511 euros /month	
	dent has pres t) to the Emp		lims and Objectives	of a BSc Stu	dent's Internship (Appendix of this	
			Yes 🚺	No [



OTHER TERMS
Supervision of the internship:
The internship is supervised by a representative of the employer in cooperation with the tutoring teacher at Savonia University of Applied Sciences.
The trainee is covered by the accident insurance of Savonia University of Applied Sciences during working hours if the student's official place of residence is in Finland, while the employer is responsible for arranging the liability insurance during the work placement period. If case of paid traineeship, the official work contract is made between the employer and the trainee. The employer will be responsible for meeting the terms and regulations governed by the legislation (e.g. insurance) of the work placement country.
The labour law applicable in this case is
The employer has liability and/or accident insurance for the trainee in case of accident in the workplace or on the work business:
The minimum terms and conditions of employment guaranteed by the applicable law are to be observed throughout the training period. This applies e.g. working hours, health and safety but excludes regulations concerning wages and salaries.
Duta Registration:
Savonia Engineering and Technology has the right the register employer's contact information for the
client registry and use the date for internship communication and marketing.
1/4, 07 ₂₀₀ /5
Tykano Employer's representative Supervising Teacher