

PERSONAL INFORMATION

Tuși Cristian



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 [cristiantufisi@yahoo.com](mailto:cristiantufisi@yahoo.com)

Sex Masculin | Date of birth 14/01/1988 | Nationality Romanian

JOB APPLIED FOR

Design engineer

WORK EXPERIENCE

September 2015 - Present

**Design engineer**

S.C. SPALECK S.R.L.

Str. Castanilor no.113, Resita

Machine and installations design

Designing and manufacturing of vibrating screening machines, conveyor systems, steel structures.

August 2011 – June 2015

**Mechanical engineer**

S.C. U.C.M.Reșița S.A.

Str. Golului no.1, Reșița

- Mechanical and metallographical testing, supervision of sample preparations.

**Business or sector** Physico-chemical laboratory

July 2009 - August 2011

**Metallurgical technician**

S.C. U.C.M.Reșița S.A.

Str. Golului no.1, Reșița

- Mechanical and metallographical testing, supervision of sample preparations.

**Business or sector** Physico-chemical laboratory

September 2008 - July 2009

**Designer technician**

S.C. U.C.M. Turnate S.R.L

Str. Mociur no. 50, Reșița

- Providing technical support to production sectors, the design and verification of casting technology.

**Business or sector** Casting steel parts, cast iron and nonferrous alloys.

October 2007 - September 2008

**Locksmith**

S.C. U.C.M. Turnate S.R.L

Str. Mociur no. 50, Reșița

- Maintenance and repair of aggregates, machines and systems.

**Business or sector** Machining.

EDUCATION AND TRAINING

October 2017 - Present

**Postgraduate doctoral degree / Mechanical engineering**

„Eftimie Murgu" University, Reșița – Faculty of mechanical engineering

- Research on precision assessment in damage detection using natural frequencies

October 2011 - July 2013

**Masters degree / Aided design and manufacturing in industrial engineering**

October 2007 - July 2011

„Eftimie Murgu" University, Reșița - Industrial engineering

- Static and dynamic analysis by finite element method / Technology aided design / Planning, programming and production tracking / Modeling and optimization in industrial engineering / Management

**Engineering license / Machines Manufacturing Technology**

„Eftimie Murgu" University, Reșița - Industrial engineering

- Mathematics / Mechanics / Machine parts / Mechanisms / Strength of materials / Material science / Technical drawing / Measuring technique and quality assurance / Generation of cutting surfaces / Heat treatment technology / Cold pressing technology / Industrial robots / Computer aided design.

**PERSONAL SKILLS**

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C2	B1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained in college after development, of teamwork projects, participation in student scientific sessions and projects financed by Phare, „youth exchange ".

Organisational / managerial skills

- leadership (currently responsible for a team of 4 people)

Job-related skills

- good knowledge of execution processes of parts of the machine industry, quality control and material science.

Computer skills

- a good grasp of software design and computer aided manufacturing: SolidWorks, AutoCad, SolidCAM, Catia, Inventor, AnyCasting, ESI ProCAST, MathCad;  
Web Front End Development (html, css, javascript, photoshop);
- Microsoft Office (Word, Excel, Power Point).

Driving licence

- B

**ADDITIONAL INFORMATION**

Publications

- Numerical study of the stiffness degradation caused by branched cracks and its influence on the natural frequency drop, RJAV vol 15 issue 1/2018
- Identification of delamination in multilayered composites, 7th International Conference on Advanced Materials and Structures - AMS 2018 IOP Publishing IOP Conf. Series: Materials Science and Engineering 416 (2018) 012045
- Automatic detection of L and T shaped cracks in semifinished casting products, IOP Conf. Series: Materials Science and Engineering 393 (2018) 012016 doi:10.1088/1757-899X/393/1/012016
- The theoretical and experimental analysis of tensile testing standardized specimens, Student Scientific Session, Targu-Jiu 2011 ;
- Computer aided design of the part „Rotor "using SolidWorks, international student symposium, Resita 2011.

**ANNEXES**