

Curriculum Vitae

PERSONAL INFORMATION

Denislav KIRKOV (Student)

Age: 23



Nancy – France

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WORK EXPERIENCE

05/06/2017 – 28/07/2017

Internship – Direct Computation of Wind Field around a Drone Based on GPS and Air Sensor Data

Space Research and Technology Institute, the Bulgarian Academy of Sciences (SRTI-BAS); <http://www.space.bas.bg/Eng/Eng.html>

20/03/2017 – 14/05/2017

Internship – Turbulence in katabatic winds on the arctic plateau.

LEGI – Laboratoire des Écoulements Géophysiques et Industriels;
<http://www.legi.grenoble-inp.fr/web/?lang=en>

03/10/2016 – 31/01/2017

Tutor – English tutor in “English Lab”

DLST – Université Grenoble Alpes; <https://dlst.univ-grenoble-alpes.fr/>

16/07/2016 – 15/08/2016

Internship – aircraft mechanic

Aeroplanes DAR; <http://aeroplanesdar.com/>

01/06/2016 – 15/07/2016

Internship – CAD, 3D printing, laser cutting, personal project – FILaBOX

Smart Fab Lab; <http://www.smartfablab.org/en>

EDUCATION AND TRAINING

10/09/2018–31/06/2020

Engineering Degree – Mechanical Systems, Structures and Energetics

École nationale supérieure d'électricité et de mécanique; <http://ensem.univ-lorraine.fr/>

04/09/2017–31/05/2018

Master of Engineering – Mechanical Simulations and Instruments

Université Grenoble Alpes - UFR PhITEM; <http://www.univ-grenoble-alpes.fr/>

08/09/2014–31/05/2017

Bachelor of Mechanics

Université Grenoble Alpes - UFR PhITEM; <http://www.univ-grenoble-alpes.fr/>

LANGUAGES

Mother tongue

Bulgarian

Foreign Languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B1	B2
French	C1	C1	C1	C1	C1
Russian	B2	B2	B2	B2	B1
Levels: A1/A2: Basic user; B1/B2: Independent user; C1/C2: Proficient user					

SCIENTIFIC SKILLS

Solid Mechanics	FEM, Strength of materials, Structure dynamics and statics
Fluid Mechanics	Fluid dynamic, Laminar flows, FVM, Turbulent flows
Thermodynamics and Heat Science	Energy transport and conversion, heat transfers

COMPUTER SKILLS

	Microsoft Word – Proficient User
	Microsoft Excel – Proficient User
	SolidWorks – Independent User
	Matlab – Proficient User
	Ansys Fluent – Proficient User
	Ansys Mechanical – Independent user

SCIENTIFIC PROJECTS

- Mechanical systems of Urban2 (Shell Eco Race Association of ENSEM)
- CAD model and production of mechanical system of AI Robot;
- Fluid-structure interaction on flexible hydrodynamic foils;
- FEM code in Matlab

OTHER SKILLS AND HOBBIES

- Driving licence B category;
- UAV operator – certificated by Bulgarian drone academy, licence number: 20170823/00040;
- Outdoor sports and Mountaineering; Ecology