Vlad Bocanet

● WORK EXPERIENCE

24/02/2014 – CURRENT Cluj-Napoca, Romania
LECTURER TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

- Preparation and teaching of lectures for Probabilities and Statistics and Quality Management both online (using MS Teams) and face to face.
- Preparation and teaching of lab applications for Statistics (using MS Excel) and Quality Management classes (using Zeiss Calypso and GOM Inspect);
- Doing research activities and writing research papers in the field of mechanical engineering and statistical analyses in engineering, economics and medicine.

Address Cluj-Napoca, Romania

16/06/2014 – 31/08/2014 Cugir / Sebes, Romania
QUALITY SPECIALIST (INTERNSHIP) STARTRANSMISSION & STARASSEMBLY (PART OF THE MERCEDES-BENZ GROUP)

- Quality assurance of automotive part manufacturing processes
- Part inspection with a tactile CMM
- Using quality instruments: FMEA study, auditing, etc.

Address Cugir, Romania

01/10/2013 – 15/02/2014 Cluj-Napoca, Romania
QUALITY ANALYST EMERSON

- Inspection at reception of parts for gas regulators
- Testing of springs
- R&R study for measuring equipment

Address Cluj-Napoca, Romania

01/10/2012 – 23/02/2014 Cluj-Napoca, Romania
TEACHING ASSISTANT TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

- Preparation of materials and teaching lab applications for Probability and Statistics and Quality Management
- Research in mechanical engineering and writing research papers

Address Cluj-Napoca, Romania

● EDUCATION AND TRAINING

01/08/2009 – 28/08/2009 Augsburg, Germany
CERTIFICATE OF PARTICIPATION - CVA SUMMER COURSE Fachhochschule Augsburg / Community of Ariane Cities

- Launcher structures
- Solid propulsion
- Communication & navigation satellites
- Future launcher prospective
- Communication & media relations

Address Augsburg, Germany | **Website** https://www.ariane-cities.org/

24/02/2009 – 30/05/2009 Bremen, Germany
BACHELOR DIPLOMA WORK (ERASMUS+ MOBILITY) University of Applied Sciences Bremen

- Face Milling
- Acoustic Emission Sensors
- Signal Analysis
- Signal acquisition processing

Address Bremen, Germany ｜ **Website** https://www.hs-bremen.de/

01/01/2006 – 01/02/2006 Cluj-Napoca, Romania
CERTIFICATE OF COMPLETION FOR AUTOCAD 2002 LEVEL 1 Technical University of Cluj-Napoca / Autodesk Authorized Training Centre

AutoCAD 2002

Address Cluj-Napoca, Romania

01/09/2004 – 30/06/2009 Cluj-Napoca, Romania
ENGINEERING DIPLOMA Technical University of Cluj-Napoca

- Technical Design
- Mechanics
- Computer Programming (C++)
- Material Resistance
- Mechanisms
- Fluid Mechanics and thermodynamics
- CAD 3D modelling (Solid Works)
- CNC Machining

Address Cluj-Napoca, Romania ｜ **Website** https://www.utcluj.ro/

MOOC HONOR CODE CERTIFICATES Coursera, edX

Coursera - Recommendation Systems with TensorFlow on GCP (coursera.org/verify/NLSRWFJTS5M8)
Coursera - Introduction to Data Engineering (coursera.org/verify/9ZEQR6QG6XTF)
Coursera - Fine Tune BERT for Text Classification with TensorFlow (coursera.org/verify/4NH9JKCV68KP)
Coursera - Machine Learning Pipelines with Azure ML Studio (coursera.org/verify/S4KFH9XZ9TSV)
Coursera - Gamification
Udacity Nanodegree Program - Introduction to Machine Learning with TensorFlow (confirm.udacity.com/LERG6NUU)
edX - Honor Code Certificate for Introduction to Linux
edX - Honor Code Certificate for I Heart Stats: Learning to Love Statistics
edX - Honor Code Certificate for Introduction to R
edX - Honor Code Certificate for Data Science and Machine Learning Essentials
edX - Honor Code Certificate for Excel for Data Analysis and Visualization
Udemy – SPSS Amos
MITx – Verified Certificate - Competency-Based Education: The Why, What, and How

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
GERMAN	A2	A2	A2	A2	A1

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ITALIAN	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ADDITIONAL INFORMATION

ORGANISATIONAL SKILLS

Organisational skills
- Management skills, gained through my experience as the president of EUROAVIA Cluj-Napoca 2008, 2009;
- Project management skills, gained while working on a team project during the CVA Summer School and during my PhD stage;
- Good organization skills, gained by helping organize multiple international events as a BEST (Board of European Students of Technology) and EUROAVIA member and by organizing company visits and participating to exhibitions, cooperation with other students organizations like Theory & Practice and YAP (Youth Action for Peace).

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills
- Strong presentation skills (online and face to face) developed during my career as a lecturer.
- Good ability to adapt to multicultural environments, gained through my work experience (part of the Erasmus+ project Engimath from 2018 to 2021) and learning abroad (e.g. as an Erasmus student, CVA Summer School);
- Team player - member of students organizations (BEST and EUROAVIA) and working with international teams on several occasions (e.g. Diploma Work in Bremen, Germany, the CVA Summer School in Augsburg, Germany, Kourou, French Guiana, 2009), as a member of the Manufacturing Engineering Department and part of multiple Erasmus+ projects;

JOB-RELATED SKILLS

Job-related skills

- Good knowledge of statistics, data engineering and analysis
- Good Python scripting knowledge (with additional libraries: Pandas, Matplotlib)
- Knowledge of Natural Language Processing techniques
- Working knowledge of modeling techniques (classification, regression, clustering)
- Good knowledge of Microsoft Office tools (Word, Excel, PowerPoint, Teams)
- 3D modelling and simulation skills, acquired through multiple projects at my university
- Good knowledge of quality assurance and control methods and tools.
- Work experience with optical scanners (GOM Atos) and measuring software (GOM Inspect, Zeiss Calypso)
- Experience with acoustic emission signal acquisition and processing

DRIVING LICENSE

Driving license

B