IAESTE BELGIUM

WORK OFFER

Ref. No. BE-2019-011VUB

Employer Information

Employer: De Baes Architects
Rue de Stassart 117

1050 Brussels
Belgium

Number of employees: 5
Business or products: architecture, engineering & urbanism

Website: www.debaes.eu
Location of placement: Brussels
Nearest airport: Brussels Airport (Zaventem)
Working hours per week: 38.0
Working hours per day: 8.0

Student Required

General Discipline:	11-COMPUTER AND INFORMATION SCIENCES	*Completed years of study:*	4
Field of Study:	11.0101-Computer and Information Sciences, General. 11.0104-Informatics. 11.0501-Computer Systems Analysis/Analyst.	*Language required:*	English Excellent

Required Knowledge and Experiences:

Being able to work with version control systems (eg. git), know how a terminal works.

Other requirements:

If trainee needs visa, student status is obligatory.

Work Offered

Our group performs structural health monitoring on offshore wind turbines. Behind the scenes, we
have several computer engineering tasks that need to be performed. Current topics evolve around:
- Python programming:
* add features to our existing data (TDMS file type) web viewer, by using Flask and AngularJS
* extend the test frameworks of our existing applications using pytest, tox, CI etc.
* write various automation tasks using the Fabric/Invoke framework
* further automate the interaction between our existing applications by retrieving data from Google Sheets
- shell scripting:
* improve and test various automation scripts for embedded devices (NI CompactRIO platform)
* use cli tools such as rsync and lftp to automate file transer processes
- automation:
* using HashiCorp automation tools such as Vagrant and Packer to create repeatable installations
* develop and test Docker applications to setup a file transfer, establish VPN connections, etc.
* expand our configuration management by improving and writing Puppet modules

Student should have a working knowledge of at least one of these topics.

Number of weeks offered:	10 - 16	*Working environment:*	Office work
Within the months:	04-FEB-2019 - 31-DEC-2019	*Gross pay:*	200 EUR / Week
Or within:	-	*Deduction to be expected:*	0
Holidays:	-	*Payment method / frequency:*	/

Accomodation

Canteen at work:	Yes		
Expected type of accommodation:	Student dormitory	*Estimated cost of lodging:*	100 EUR / Week
Accommodation will be arranged by:	IAESTE	*Estimated cost of living incl. lodging:*	200 EUR / Week

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Additional Information

We expect an offer in return at the AC.

Nomination Information

Deadline for nomination:	07-DEC-2018	*Please send nominations by*	Exchange Platform

Date:	17-NOV-2018	*On behalf of receiving country:*	Annelies Vermeir