Personal information

Surname(s) / First name(s)	Montesano, Francesco
Address(es)	München, Germany
Email(s)	franz.bergesund@gmail.com
Nationality(-ies)	Italian
Date of birth	Nov 18 1982
Website	https://montefra.github.io
Github	https://github.com/montefra, https://github.com/ericmandel/pyds9
StackOverflow	http://stackoverflow.com/users/1860757/francesco-montesano

Work experience

Date	2014 –
Institute	Max-Planck-Institut für Extraterrestrische Physik, Garching, Germany
Occupation	Software developer within the "HETDEX" collaboration:

- Data validation, analysis and visualisation
- Automatic scheduling
- Database design and administration (SQLite3, Oracle)

Date	2012 – 2013
Institute	Max-Planck-Institut für Extraterrestrische Physik, Garching, Germany
Occupation	Post-doctoral researcher in astronomy. Support software development:

- Data analysis, modelling and visualisation

Education and training

Place and Date	Ludwig–Maximilians–Universität, München, Germany, 2007 – 2011
Title of qualification awarded	Doctoral degree in Astronomy
Place and Date	Università degli Studi di Milano, Milano, Italy, 2004 – 2007
Title of qualification awarded	Master in Physics
Place and Date	Università degli Studi di Milano, Milano, Italy, 2001 – 2004
Title of qualification awarded	Bachelor in Physics

Personal skills and competences

Programming languages

- Python (version 3.4 or later, 2.7): data organization, analysis and visualisation;
- C++: data analysis
- Fortran 90 or later: data analysis
- JavaScript: basic knowledge
- Haskell: basic knowledge

Python packages and frameworks	• Visualisation: PyQt4, matplotlib • Scientific software: numpy, astropy, scipy, pandas • Testing: pytest and plugins • Documentation: Sphinx
Web development	Basic knowledge: • Back-end: Python, including Flask framework, Jinja • Front-end: HTML, CSS and JavaScript, including Bootstrap front-end framework and JQuery library
Main tools and workflow	• Operating system: Linux (Kubuntu and OpenSuse) • Editor: vim • Scripting: Bash • Version control systems: git, Subversion • Continuum integration: Travis CI, AppVeyor • Project management: Redmine • Basic knowledge of SCRUM
Organisational skills and competences	Responsible for the design, development and delivery of two key products for the validation and analysis of HETDEX data. Main contact point between our team in Munich and the collaborators and project PIs in Austin, TX, USA.
Technical skills and competences	Data analysis and modelling.
Mother tongue(s)	Italian
Other language	
English	Full proficiency
German	Limited working proficiency
French	Basic knowledge
Personal interests	Cooking, reading and coding