Dorian GRAVIER

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Data Analyst | Automation specialist in High Throughput Screening

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💼 PROFESSIONAL EXPERIENCE

Now
2014

Data Analyst | Automation specialist in High Throughput Screening - *HDC GmbH* - Germany
- ▸ Data Analyst R SQL Python
  - › Build from scratch data anlysis solution of the company R
  - › Design of standardized and flexible analysis workflows *(many highly complex functions created)*
  - › Data manipulation, mining and visualization *(real time analysis during data production, graphical output generation for normal users - matrix of microscops' picture via* R html plotly *)*
  - › Client output generation *(data exchange, compound mapping, dose response curves fitting - data and graphics from* R *to* Excel *)*
- ▸ Responsible of the automation (4 robotic lines)
  - › Robotic line programming, scheduling and workflow optimization *(old lines > 15 years)*
  - › Built an old line and integrate devices *(no support available from external company)*
  - › Data quality assement and troubleshooting regarding technical part *(team work with the biology)*
  - › Devices maintenance and repair *(handwork, mechanic 🔧, eletronic)*
  - › Deep analysis of logfiles to enhance data quality checking, hacking robotic steps R *(enhancing flexibility)*
  - › Learned all from scratch, no experienced personal for teaching or support *(high capacity to adapt and to take responsabilities)*

2013
2 months

Data Analyst - *CNRS of Chizé* - France
- ▸ Spatial and isotope analysis from the Commerson dolphins' *(Cephalorhynchus commersonii kerguelenensis)* monitoring at Kerguelen island R
  - › Reproducible research tools used, report produced via Sweave Sweave R LaTex
  - › Spatial and isotope analysis
  - › Social network and population size estimation via Capture-Recapture
    Reference : Christophe Guinet- Paul Tixier

2012
3 months

Field technician - *National Nature Reserve of French Austral Islands* - France | Kerguelen Island| Indian Ocean
- ▸ Implementation of Commerson dolphins' monitoring protocol via photo-identification
  - › Fieldwork on boat, photography of dolphin, gps coordinates and other information Excel
  - › Filter, organize data and pictures
  - › Identification of individuals with photography, generation of a catalog to identify individuals
  - › Organisation of field work
    Reference : Paul Tixier

▤ SKILLS

INFORMATIC	★★★ **Advanced**	R *(years of function and workflow development)*, batch *(for work efficiency enhancement and user needs)*
	★★ **Intermediate**	Python *(parsers and plugins for Genedata Screener)* SQL bash html GIS *(Arcgis, QgiS)*
	★ **Beginner**	java LaTex C# *(Two softwares created at HDC gmbH used on a daily basis)*
	Others	Github ⓞ Leaflet 📍 Jekyll Github pages dorian-gravier.com

ORGANISATION   Working on several projects and having high number of responsabilities at the same time, high usage of brainstorming tools mindmap

HANDWORK   High problem solving and handcraft skills. Enjoy to repair and build things *(electronic devices - repair, maintenance, integration -, computers, wood)*

REDACTION   Competent with scientific vocabulary. High practice in talks and presentation *(usage of ImpressJS)*. Experienced in usage of reproducible research tools Rmarkdown Sweave

🎓 EDUCATION

2018	**Adventure Pedagogy Certificate** (Erlebnispädagogie) - *Konstanz University - UniVenture* - Germany
2011 - 2012	**2nd Master Degree** - *Lorraine University* - France

Management of aquatic environments and water resources

- ▸ **26-week intership** - Relations between bats activity, community and different lakes characteristics (insects populations, trophic statut…) - *Limnological Institute of Konstanz* - Germany
  - › Insect catching, identification and quantification
  - › Bats' families identification via acoustic recordings
  - › 🎓 *Advisor : Ioanna Salvarina*
- ▸ **20-week Erasmus** - *Gothenburg University* - Sweden
  - › 2 courses done, Comparative physiology of marine animals and Primary producers of the Sea

2009 - 2011	**1st Master Degree** - *Lorraine University* - France

Conservation and Restoration of the Biodiversity

- ▸ **26-week intership** - Bats roosts research and protection approaches - *CPIE 49* - France
  - › Bat catching and tracking
  - › Prospection of a complete departement to find bats' colonies
  - › Organisation of prospection weekend with more than 20 volunters *(defined protocol, prospection area, buildings with meetings organized in advance for each team)*
  - › 🎓 *Advisor : Loick Bellion*

2008 - 2009	**Bachelors Degree in Life Science** - *Lorraine University* - France
2006 - 2008	**Superior Technician Certification in Forestry management** - *Mirecourt* - France

📖 PUBLICATIONS

- ▸ SALVARINA, I., **GRAVIER, D.**, & ROTHHAUPT, K. O. (2018). Seasonal bat activity related to insect emergence at three temperate lakes. *Ecology and evolution*, 8(7), 3738-3750. (Link)
- ▸ SALVARINA, I., **GRAVIER, D.**, & ROTHHAUPT, K. O. (2017). Seasonal insect emergence from three different temperate lakes. *Limnologica-Ecology and Management of Inland Waters*, 62, 47-56. (Link)
- ▸ **GRAVIER, D.**, TIXIER, P. & GUINET, C. (2013). First analysis of Commerson dolphins *(Cephalorhyincus commersonii kerguelensis)* data of the Morbihan's gulf in Kerguelen. *Non published report*, 1-24. (Link)
- ▸ **GRAVIER, D.** (2013). Catalogue – Photo-identification - Etude de la population de dauphins de Commerson de Kerguelen Décembre 2012 – Mars 2013 . *Non published report*, 1-155. (Link)

🈯 LANGUAGES

English	●●●●○
German	●●●●○
French	●●●●●

✚ HOBBIES

- ▸ Sport *(climbing, biking 🚲, running, hiking, skiing, dancing)*
- ▸ Nature 🔭 *(All what has to do with it)*
- ▸ Video and picture editing 🎥
  (Animal photography passion during few years, development of `FFmpeg` *automated scripts for video editing (cf. my website)*
- ▸ Cooking, fixing things 🔧, hand work

❝ REFERENCES

Christophe Guinet
Research director, CNRS CHIZÉ
- @ christophe.guinet@cebc.cnrs.fr
- 🔗 ResearchGate

Angela Wulff
Professor, GOTHENBURG UNIVERSITY
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- 🔗 University of Gothenburg

Paul Tixier
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