

Basic Info

```
$ print(vcastor.name)
> Victoria CASTOR VILLEGAS
$
$ vcastor.contact = {
> @ = victoria.castor-villegas@univ-rouen.fr;
> 📍 = Rouen, France;
> 📞 = +33 6 47 44 32 65;
> in = linkedin.com/in/vcastor;
> 🐙 = github.com/vcastor;
> 🐦 = @vcastorv;
> }
```

Website

vcastor.com



Education

```
$ vcastor.education = {
> [PhD] = {
> degree = "Doctor of Philosophy in Chemistry",
> institution = "School of Chemistry, University of Rouen",
> location = { "Rouen", "France" },
> period = "October 2022 - October 2025",
> thesis = "Chemical reactivity in solution from a hybrid Conceptual DFT and QTAIM approach",
> },
> [Master] = {
> degree = "Master of Science in Theoretical Chemistry and Computational Modelling",
> institution = "School of Science, Autonomous University of Madrid",
> location = { "Madrid", "Spain" },
> period = "September 2020 - July 2022",
> thesis = "Hydrogen bonds in water clusters from an ELF perspective",
> },
> [Bachelor] = {
> degree = "Bachelor of Science in Chemistry",
> institution = "School of Chemistry, National Autonomous University of Mexico",
> location = { "Mexico City", "Mexico" },
> period = "August 2016 - July 2020",
> thesis = "Topological Studies of the Electronic Density in Water Clusters",
> }
> }
```

Languages

```
$ vcastor.languages = {
> "Español 🇪🇸" : "C2",
> "English 🇬🇧" : "C1",
> "Français 🇫🇷" : "B1",
> "Deutsch 🇩🇪" : "A1",
> "中文 🇨🇳" : "HK1",
> "עברית 🇮🇱" : "A",
> }
```

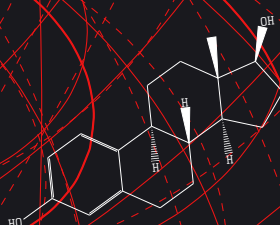
Skills

```
$ vcastor.skills = {
> "computational_chemistry_software" : [
> "AMS (ADF,BAND,DFTB)", "Gaussian", "AIMAll", "Orca"
> ],
> "software_and_programming" : [
> "UNIX-like OS", "Git 🍷", "Subversion",
> "Fortran", "Matlab", "Python 🐍", "SQL 🗄️",
> "C/C++", "perl"
> ],
> "gui_and_graphics" : [
> "Inkscape", "GIMP", "tcl", "manim"
> ],
> "extras" : [
> "Astrophysics", "First Aids"
> ]
> }
```

$$\underline{\underline{\alpha}} = \left(\frac{\partial \mu_i}{\partial F_j} \right)_{F=0}$$

 S_m
 N_m

$$R_{\mu\nu} - \frac{1}{2} R g_{\mu\nu} + \Lambda g_{\mu\nu} = \frac{8\pi G}{c^4} T_{\mu\nu}$$



$$(i\gamma^\mu \partial_\mu - m)\psi(x) = 0$$

$$FC = SC\varepsilon$$