✉ anna.traussnig@gmail.com

🖱 http://www.annatraussnig.com

# *Anna Traussnig* | Resume

## *Skills*

**Web and Mobile Development:** Javascript | JQuery | React | AngularJS | HTML /CSS | SCSS | Flask | Ruby on Rails | MySQL | PostgreSQL | MongoDB | Swift | responsive development

**Simulation, Data Analysis:** Python | Numpy | SciPy | Matplotlib | NEURON | Matlab | Scala | data analysis | numerical analysis | neural networks | genetic algorithms | multi-objective optimisation | functional programming

**Software Testing:** Jasmine | Protractor | RSpec | Capybara | test-driven development

**Environment and Version Control:** Git | SVN | Bash | NPM | Grunt | RVM | Virtualenv

**Collaborative Tools:** Jenkins | Go CI | AWS | JIRA | Github | Bitbucket | continuous delivery

**Non Technical:** traditional illustration | computer illustration (Illustrator) | comics | fiction | copywriting | French/English translations | project management

## *Experience*

### Independent Developer | 05.16 – now

Amongst others, I implemented features for an online booking system in Rails; I provided UX consultancy & developed an AngularJS frontend for a file transfer web app; I prototyped & built a feed curation tool with Flask, React and PostgreSQL; I published a small NPM module; I designed & built an app with Swift; etc.

### Front-End Engineer | zehndetails | 01.15 – 11.15

Together with a designer and a backend developer, I built a robust, fully tested, extendable platform to improve content submission and curation at conferences.

Combining existing AngularJS libraries and custom Javascript implementations, as well as leveraging all the power of HTLM5 and CSS3, I translated a complex, multi-faceted brief into an intuitive software solution.

### Web Developer | cloudControl | 04.13 – 08.14

I was the sole responsible for a Ruby on Rails / MySQL website and an AngularJS web console.

Collaborating with other departments, I developed solutions for problems such as customer acquisition or on-boarding. I also ramped up the test coverage, introduced a ticketing system, and set up the foundation for continuous delivery, leaving behind a solid codebase.

### Account Manager | Mind Orchard | 03.12 – 12.12

In need for a creative break, I convinced the director of this design studio to take me in and spent a few months writing snappy infomercial scripts for corporate customers.

However, the world only needs so many infomercials, and my main responsibility was actually to manage accounts, which is a short way to say manage time-sensitive projects, manage client expectations and manage creative teams.

### Neuroscience Researcher | BlueBrain Project | 05.11 – 11.11

While analysing large simulation outputs, I noticed a mismatch between our data and biological values. Thus, with the support of my supervisor, I developed a validation framework in Python to extract various parameters and assess the quality of the model.

The framework became a cornerstone of the simulation process, and I got a PhD offer.

### Research Fellow | Segev's Group, ELSC | 09.09 – 11.10

I designed a protocol to systematically reduce the morphological complexity of neurone models, while preserving a set of biophysical features. To this aim, I implemented a parallel genetic algorithm in Python, allowing efficient multi-objective optimisation.

As usual with scientific research, the project also involved heavy doses of data analysis (both quantitative and qualitative), visualisation and bibliographic digging.

### Bachelor's + Master's | EPFL, life science and technology | 09.05 – 11.10

I crunched differential equations, calculated probabilities, solved physics problems, inverted matrices, wrote simulations and learned a thing or two about chemistry and biology.

To my mother's joy, I finished my curriculum not only in time but also with an award for excellency (above 5.5/6 GPA).

## *Fun Facts*

– I am **French and Swiss citizen**, and speak **English**, **French** and **German** fluently.
– Out of all possible music instruments, child-me chose to learn the harp. I still play today.
– I was chief editor of a hugely unsuccessful student newspaper called "The melancholy octopus". Today, I'm still wondering: what was there not to like?
– I'm quite fond of sharks and turtles. Ah, and octopuses, obviously.