

Sylvain VERLY

Web Developer

DoB: 20th January 1986

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<http://sylvainv.me>

Language Skills

English Bilingual

Chinese Elementary Proficiency

French Mother Tongue

Leisure

Photography:

I practice photography since several years. I have a photoblog:

[www.flickr.com/photos/](http://www.flickr.com/photos/sylvaincaptures/)

[sylvaincaptures](http://www.flickr.com/photos/sylvaincaptures/)

Underwater Hockey Coach

I am the Underwater Hockey Coach of the Shanghai Underwater Hockey Club.

Profile

- ➔ Innovative, quick learner and quick "implementer"
- ➔ Backend developer mostly. Database too.
- ➔ Patient and receptive to new ideas and solutions. Love self-improvement and learn from peers, welcome critics!

Experience

Founder - Nuodata - <http://nuodata.io>

Nuodata is a database REST API that helps you create flexible custom database for your data as well as be able to access it easily using a REST API.

- Open source project: github.com/nuodata/nuodata-db-api
- SaaS project: PostgreSQL, shared hosting on Digital Ocean, JWT authentication

Software Engineer - Shanghai City, China

New Pathway Education & Technology Group:

November 2015 – April 2016 (6 months)

- * Provide advice on PostgreSQL database,
 - * Implemented REST API to communicate with Salesforce in Ruby
 - * Implemented a REST API in Node.js for a recommendation system
 - * Researched on feasibility of recommendation, machine learning algorithm
- Platforms: Python, Ruby, Node.js ES6

Web Developer at Letsface - Shanghai - May 2014 to November 2015

Responsible for the development of the Event Management System platform. The goal is to have a flexible architecture for data collection.

- * Database design: responsible for the database schema design, permission system and its integration with the data API and the api services.
- * Data API: REST API to interact with our document store built within PostgreSQL.
- * Api services: image processing, email sending, social sharing, all connected to the database (python flask)

Responsible for maintaining legacy backend and supporting new events.

Responsible for the Event Management System servers and legacy server devops operations.

PHP Developer at The Netcircle - Shanghai - July 2010 - May 2014

Responsibilities: PHP application development and maintenance.

- Symfony, PHPUnit, Behat for functional tests,
- Memcache, Redis, RabbitMQ, MySQL, Ejabberd XMPP, Nginx,
- Redmine, Jenkins for continuous integration, Responsible for the development and maintenance of an internal evaluation project for employees using Symfony 2.1.

CTO at Tenthcloud Ltd - Edinburgh - January 2010 - July 2010

Lead the technical direction to build the CMS system, In charge of coordinating the work, prioritize issues develop the system, set it up and maintain it.

Research assistant intern at Medical Research Center, Human Genetics Unit, Edinburgh - Summer 2009

The goal of this bioinformatics project was to use data mining techniques to determine genes influences during embryo development. This project made me have a good knowledge of Matlab and have an insight into some data mining techniques. I worked under the supervision of: Pedro Coutinho p.coutinho@hgu.mrc.ac.uk, with the help of: Dirk Husmeier dirk@bioinformatics.sari.ac.uk Technologies: Matlab

Projects & Organization

Codebunker - Member since November 2015

CoderBunker is a community for programmers to develop their software development skills; it is a software Hackerspace. The organisation welcomes passionate programmers to discuss, meet and hold workshops to promote software community. The vision of Coderbunker is to raise the bar for software engineering excellence in China.

Education

- **University of Edinburgh, School of Informatics (1st RAE UK Ranking) - 2010**

MSc Informatics graduated in November 2010

I studied Software Architecture & Project Management, Machine Learning, Genetic Algorithm, Semantic Web.

- **Heriot-Watt University, Edinburgh - 2007-2009**

BSc (Hons) Computer Science 2:1

Achievement

- **MSc Project, The University of Edinburgh, Edinburgh Summer 2010**

“Manta: a friendly user interface for a semantic web search engine”

The purpose of the project was to find a way to select relevant information from a collection of semantic data given a specific query. The information selected was such that result browsing was user friendly in term of interface and allowed a user to access several part of information more easily. I received a grade of 67% for this project.

Technologies: RDF, RDFs, RDFa, OWL, Python, Redland RDF Libraries, ConTeXt (used to write the report)

- **BSc (Hons) project. Heriot-Watt University, Edinburgh - Spring 2009**

“NASA SAFER's using BMethod”: the purpose of this project was to formally specify a Space Walking device for **astronauts** (the SAFER) by using the B-Method. I introduced the knowledge and implication around this technology to my supervisor and received good feedback from him. This project taught me to think meticulously and how to prioritize my work. I received a grade of 69% for this project.

Technologies: B-Method, B-Tools, ConTeXt (used to write the report)