Yvan Sraka

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Contract jobs

- 2019 (6 months) Paris, **Internship @ ANTIQUE Team (ENS / INRIA / CNRS)** Static analysis by Abstract Interpretation: Kappa site-graph patterns equations resolution
- 2018 (6 months) Paris, **CTO @ PassTech** Development of a first technical stack, scientific advisory in AI and specification of the need for UX and visual communication for an incubated startup
- 2017 (9 months) Paris, **Freelancer** Simplon.co (development from scratch of an MVP based on user recommendations for Afev & organization a hackaton on "data-journalism" topic) ; Isograd (writing subjects of some algorithmic competitions, such as "Le Meilleur Dev de France") ; Cowork.id (e-mailing strategy) ; FlitDesk (CTO of an early funded startup)
- 2016 (9 months) Montreuil, **Trainer @ Simplon.co** Management of 6-month trainings in web development for publics far from internet and computing industries
- 2016 (6 months) Paris, **Animator @ Magic Makers** Animation and educational design of fun learning workshops for programming in school and out-of-school settings
- 2014..2015 (1 year) Villejuif, **Software developer @ Sculpteo (3D Printing Online Service)** System administration and technical stack optimization of a CAD infrastructure under heavy demand constraints
- 2013..2014 (1 year) Issy-les-Moulineaux, **Apprentice in Computer Engineering @ Sculpteo** Features development for web and mobile front-end, implementation of 3D algorithms from the literature
- 2013 (3 months) Bergerac, **Technical Agronomist @ ANITTA (Association Nationale Interprofessionnelle et Technique du Tabac)** Alternative methods fertilization "CIPAN" impact on tobacco pests and biological control by conservation

University cursus

- 2014..2019 Paris, **Pierre and Marie Curie University (Paris VI),** Master of Computer Science specialization in Bioinformatics and Modeling
- 2013..2014 Kremlin-Bicêtre, **EPITA,** Computer Engineer by Apprenticeship
- 2011..2013 Périgueux, **University of Montesquieu Bordeaux IV,** DUT (university diploma) in Biological Engineering option Agronomy
- 2011..2013 Distance Learning, **CNED Grenoble,** BTS IRIS (technical degree in Computers and Networks for Industrial and Technical Services)
- 2009..2011 Périgueux, **Baccalauréat: equivalent of A-levels in scientific option - obtained with honors,** Lycée Saint-Exupéry de Terrasson

Technical skills

- **System and Software programing:** C++ 14 – C 18 – Rust 2018 – C# .NET 7 – Java 8 – Go
- **Functional programming:** Racket 7 – Haskell 2010 – OCaml 4
- **Computer Graphics and Games development**: GLSL Shading – OpenGL 4 – Unity 3D 2019
- **Computer Sciences:** Algorithms & Data structures – Langage & Types theory – Linear algebra
- **Machine Learning:** Markovian, Bayesian and Convex methods - Keras with Tensorflow backend
- **Scripting:** Python 3 – PHP 7 – Bourne shell (zsh) – Ruby 2
- **Web "front-end":** ECMAScript 6 – React JS – HTML5 – CSS3 – WebAssembly – Webpack
- **Web "back-end":** Django – Node.js – Cordova – Sinatra
- **HTTP Servers & Databases:** Nginx – Apache – [Postgre, My]SQL – MongoDB – GraphQL – Redis
- **Mobile development:** Android (Kotlin) – iOS (Swift) – HP Palm WebOS (†) – Windows Phone (†)
- **GUI:** Qt 5 – SDL 2 – PyGame – GTK 3
- **OS:** GNU Linux – BSD/macOS – Microsoft DOS/Windows
- **System Administration:** Continuous Integration – Virtualization & Containers (Docker)
- **Tooling:** Git – (La)TeX – (Neo)Vim – (Spac)Emacs – Common CLI UNIX tools
- **Pedagogical environments:** Scratch – Logo – AppInventor – Arduino – MakeyMakey

Spoken and written languages

- **French:** Native
- **English:** Professional

Notable awards

- 2015 **Finalist of Matalab "Mission on Mars Robot Challenge",** Artificial Intelligence (AI) competition
- 2013..2019 **Qualified in Google "Code Jam",** Algorithmic international competition
- 2012..2013 **Finalist of Prologin,** Algorithmic national competition
- 2012 **Winner of Microsoft "Appli Awards",** Windows Phone development
- 2011 **2nd place of Google "Nickel Chrome",** Development of a web application
- 2010 **Winner of R. Schuman european contest,** General knowledge