Yvan Sraka

✆ (+33) 679628123
✉ yvan@sraka.xyz

Contract jobs

- **2019..2020** (6 months) Paris, **CAPE @ P//** Isograd ; ESGI (Systems and Networks programming in Rust and DevOps lectures for Master students) ; La Boussole (making an educative mobile VideoGame about Privacy helping users handle their personnal data)
- **2019** (6 months) Paris, **Internship @ ANTIQUE Team (ENS/INRIA/CNRS)** working on static analysis of Kappa language
- **2018** (6 months) Paris, **CTO @ PassTech** Development of a first technical stack, scientific advisory for recommendation methodology and specification of the need for UX and visual communication for an incubated startup @ Schoolab
- **2017** (9 months) Paris, **Freelancer** Simplon.co (development from scratch of an MVP based on user recommendations for Afev & organization of a hackaton on "data-journalism" topic) ; Isograd (writing subjects of 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, cursus development, community animation and technical direction
- **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 of fertilization "CIPAN" impact on tobacco pests and biological control by conservation

University cursus

- **2019..2020** (M2 Research) **CRI - Université de Paris (Paris 7),** Master AIRE-LiSc:
  Interdisciplinary Approaches in Research and Education, Life Sciences track
- **2014..2015** (M1) **2018..2019** (M2 Research) **Jussieu - Sorbonne Université (Paris 6)**, Master BIM-Info:
  Computer Science specialization in Bioinformatics and Modeling
- **2013..2014** Kremlin-Bicêtre, **EPITA**, ING1: *Computer Engineer by Apprenticeship*
- **2011..2013** Périgueux, **University of Montesquieu Bordeaux IV**, DUT: *Biological Engineering option Agronomy*
- **2011..2013** Distance Learning, **CNED Grenoble**, BTS IRIS: *Computers and Networks for Industrial and Technical Services*
- **2009..2011** Terrasson, **Lycée Saint-Exupéry**, Baccalauréat: scientific option obtained with honors

Technical skills

- **System and Software programing:** C++ 17 ▪▪▪▪ C 11 ▪▪▪▪ Rust 2018 ▪▪▪▪ C# .NET 7 ▪▪▪ Java 8 ▪▪▪ Go ▪▪
- **Functional programming:** Racket 7 ▪▪▪▪ Haskell 2010 ▪▪▪ OCaml 4 ▪▪▪
- **Computer Graphics and Games development**: GLSL Shadering ▪▪▪▪ 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 ▪▪▪▪ Flask ▪▪▪ Sinatra ▪▪▪
- **HTTP Servers & Databases:** Nginx ▪▪▪▪ Apache ▪▪▪ [Postgre, My]SQL ▪▪▪ MongoDB ▪▪▪ GraphQL ▪▪ Redis ▪▪
- **Mobile development:** React Native ▪▪▪▪▪ Android (Kotlin) ▪▪▪ iOS (Swift) ▪▪▪ HP Palm WebOS & Windows Phone
- **GUI:** Qt 5 ▪▪▪▪ SDL 2 ▪▪▪ PyGame ▪▪▪ GTK 3 ▪▪
- **OS:** Linux ▪▪▪▪▪ BSD/macOS ▪▪▪ Microsoft DOS/Windows ▪▪▪
- **System Administration (CI, CD):** Nix(OS) ▪▪▪▪▪ **Virtualization & Containers:** KVM Docker LXC Vagrant
- **Tooling:** Git ▪▪▪▪▪ (La)TeX ▪▪▪▪▪ (Neo)Vim ▪▪▪ (Spac)Emacs ▪▪ Common CLI UNIX tools
- **Pedagogical environments:** Scratch ▪▪▪▪▪ Logo ▪▪▪▪ AppInventor ▪▪▪▪ Arduino ▪▪▪ MakeyMakey ▪▪▪

Notable awards

- **2013..2019 Qualified in Google "Code Jam",** Algorithmic international competition
- **2015 Finalist of Matlab "Mission on Mars Robot Challenge",** Artificial Intelligence (AI) 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

Miscellaneous

- Spoken and written languages **Français:** langue maternelle | **English:** fluent | **Español:** un poquito
- Driver license **Permis B** obtained in 2018 | Hobbies **Sports** Climbing, Hiking, Biking | **Associations** Prologin, Afev, Genepi, Fabelier