

## PERSONAL INFORMATION

### David Framorando

Address: Switzerland - 29.09.1988 - Married – Route de la Gare 10, 1195, Bursinel

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## EDUCATION

### EPFL

- COS certificate in Web Application Development, (02-2022)

### Coursera

- Specialization in IT Fundamentals for Cybersecurity, IBM, Coursera (07-2020)
- Specialization in Computer Science (PHP, SQL) University of Michigan, Coursera (04-2019)
- Specialization in Computer Science (NodeJS, MeteorJS) University of London, Coursera (10-2019)

### University of Geneva

- PhD in psychology (05-2019)
- Certificate of advanced studies in written technical skills (07-2017)
- Master in Psychology (08-2014)
- Bachelor in Psychology (07-2011)

## PROFESSIONAL EXPERIENCE

09.2017 – current | 30%

**Qualia4 – Android and Full Stack Engineer (PDG: Thomas Pfefferlé) –**

#### Activities

- Programming API and web interfaces (ReactJS, Ruby on Rails, Laravel)
- Programming complex native mobile applications (Java, Kotlin, Android studio)
- Security IT Management

04.2021 – current | 100%

**Geneva Motivation Lab – Postdoctoral Researcher**

*(Supervisor: Prof. Guido H. E. Gendolla)*

#### Activities

- Programming desktop experiments, collecting cardiovascular data, cardiovascular data analysis presentation of the findings at conferences and articles writing.

05.2019 – 10.2019 | 100%

**Cognitive and Aging Lab – Software and Full Stack Engineer**

10.2019 – current | 10%

*(Supervisor: Prof. Matthias Kliegel)*

- Programming scientific experiments - (Java)

#### Activities

# CURRICULUM VITAE

- Programming games for online experiments (JavaScript - JQuery, PHP, Bootstrap)
- Programming a dashboard for online experiments (JQuery, Laravel, Bulma)
- Assisting Master and PhD students in experiment programming

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10.2019 – 03-2021

**Pegna's Lab, University of Queensland (Australia) – Postdoctoral**

*(Researcher (Supervisor: Prof. Alan J. Pegna))*

Activities

- Programming online and desktop experiments, collecting cardiovascular and electrophysiological data, cardiovascular and electrophysiological data analysis and articles writing.
- Supervision of Master students, teaching online classes

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03.2016 – 05.2019

**Geneva Motivation Lab - PhD Position**

*(Supervisor: Prof. Guido H.E. Gendolla)*

Activities

- Programming scientific experiments with Matlab and Eprime softwares
- Data analysis (Python, BlueBox, Richter, 2009; SPSS; Statistica)
- Programming a web application system that permit participants to register to the experiment.
- Presentation of the findings at conferences and writing scientific articles
- Publication of the doctoral thesis

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## PROGRAMMING SKILLS

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### Android (Android studio)

#### Released

1. 2018: Provisori (first version of the native mobile application)
2. 2019: MagicDot (video game)
3. 2019: Belgium Football Association (demo app for the Belgium national football team)
4. 2020: PsychoApp (first version of the native mobile application)

### OS and Desktop

1. developed a game with Eclipse for the Cognitive and Aging Lab (Geneva)

### Web

#### Released

1. 2017: [motivation.qualia4.com](http://motivation.qualia4.com) (Laravel/Bootstrap, CMS for an experiment registration platform)
2. 2019: [qvolapuk.com/StarGame/job4you/](http://qvolapuk.com/StarGame/job4you/) (game programmed with JavaScript, Online experiment)
3. 2019: <https://qualia4.com> (JQuery/Bootstrap, Company presentation website)
4. 2019: <https://qualia4.cloud> (ReactJS/Bootstrap, Online platform for the Android application *MagicDot*)

## CURRICULUM VITAE

5. 2020: <https://psycho-app.com> (JQuery/Laravel/Bootstrap Website for psychological counseling)
6. 2021: <https://cruiser.lives-nccr.ch> (Laravel/Bulma, CMS for the creation of online experiments)
7. 2022: <https://duddy.qualia4.com> (JQuery/Laravel/Bootstrap, Website for a town)
7. 2022: <https://dev.provisori.com> (Ruby on Rails/Bulma, Website for an online media)
8. 2022: <https://neuropsyapp.qualia4.com> (Laravel/Bootstrap, Website for online psychological tests)

### **Matlab, Python**

- programming experiments

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### **LANGUAGE**

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**French** Mother tongue

**Italian** Mother tongue

**English** C1 level

**German** B2 level

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