

CURRICULUM VITAE			
NAME Antonio Trabalza		ACTUAL POSITION Freelance Full Stack Developer	
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EDUCATION/QUALIFICATIONS			
INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY
Founders & Coders London	London Curriculum	2017	Full stack web development
Imperial College London	Course	2015	C for Science
NIMR London - MRC	Course	2014	Successful Grant Writing
Imperial College London	License	2010	ASpA Personal License
“Sapienza” University of Rome	PhD	2006-2009	Neuroscience
“Sapienza” University of Rome	B.A.	1999-2005	General and Experimental Psychology

## About

I am a web developer with Neuroscience research experience. I am passionate about science and technology and I love the free software world: Devuan and Void GNU/Linux – (Neo)Vim – Blockchain.

I write mainly JavaScript, VUE.js, Node.js and Java EE, I also have experience with Ruby (on Rails). I have been studying and using GNU/Linux for more than 20 years and I have installed, configured and used many distributions on the most diverse hardware: from HPC servers to laptops to Chromebooks. I use Containers and Virtual Machines, and among circuits and components I have fun to make Arduino and Raspberry Pi projects.

## Skills:

### Programming – Github profile name: antoniotrkdz

- Javascript ES6, HTML5 e CSS3.
- VUE.js, React, Redux, JQuery and Handelbars.
- Java EE and Spring.
- Ruby on Rails.
- Wordpress.
- Shell scripting.
- BEM, Bootstrap 3.\* and 4, Material Design.
- Node.js – Express.js, Hapi.js.
- PostgreSQL and MySQL.
- Testing: Rspec, QUnit, Tape, Jest, Codecov.
- Building, deployment and CI: Webpack, Heroku, Travis CI.
- C relatively to Arduino prototyping.
- Python relatively to Raspberry Pi prototyping.
- R - Statistics.
- OpenSCAD (3D design and printing).
- Macro language for FIJI/ImageJ2 – Tools for image analisys (microscopy) & pattern recognition (see <https://antoniotrkdz.github.io>).

## IT / System Administration

- Gnu/Linux Operating System.
- Installation and Administration of Ubuntu, Debian, Gentoo, Fedora, CentOS and Devuan, both Desktop and Server.

- Configuration and (remote) administration of LAMP and similar stacks, tests and log analysis (SAR tools).
- Network analysis (nmap, netstat, netcat, tcpdump, wireshark).
- Basic AWS skills.
- Virtualization – VirtualBox and Qemu/KVM.
- Docker Containers.
- Very good hardware knowledge.
- Good Electronics knowledge.

### **Interpersonal, Planning and Problem solving**

- Presentation of code, tech and related subjects and product pitch, both written and Spoken.
- Dissemination of research findings in international journals publications, and conferences.
- Managing, planning and reporting of my own work and supervised students (20+) within regular team and departmental meetings.
- Management of internal and external collaborations.
- Design and planning of novel experiments to overcome problems related to PhD and PostDoc research activities.
- Management of Research funds.
- Fluent English both written and spoken.

### **Working Experience:**

#### **July 2019 to February 2020:**

Full stack developer – Engine S.r.l. – Serre di Rapolano (SI).  
I Developed a cloud system to manage traffic cameras remotely: Celeritas Cloud.  
To be deployed during 2020.

#### **September 2018 to February 2019:**

System admin and developer – Dimensione Solare S.r.l. – Notaresco (TE).  
I wrote a MiSE “Fabbrica intelligente” funding application: ASTRA – Advanced training system using Blockchain to certificate accomplishments and qualifications.  
Under evaluation (achieved pre-funding stage so far).

#### **May to August 2018:**

Web developer – Nebulab.it – Pescara.

#### **February 2018 to May 2018:**

Web development and Javascript teacher – Turn into Coders – Torino.

#### **February 2017 to December 2017:**

Web developer – Founders & Coders C.I.C. – London.  
Stem ambassador web development teacher – London.

#### **May 2016 to February 2017:**

Postdoc research associate at Department of cellular and molecular neuroscience, Imperial College Faculty of Medicine – London, funded by BTRC – Brain Tumour Research Committee.

#### **June 2014 to November 2015:**

Postdoc research associate at MRC – Clinical Sciences Centre, Imperial College Hammersmith Hospital Campus – London, funded by MRC core funding.

#### **May 2010 to March 2014:**

Postdoc research associate at Department of cellular and molecular neuroscience, Imperial College Faculty of Medicine – London, funded by ERC grant - “Improved retrograde lentiviral vectors for gene therapy in motor neuron disease”.

### **Teaching Experience**

Two courses (2007/2008 and 2008/2009) relative to lectures of Applied Biology course of the Faculty of Psychology – University “Sapienza” of Rome – 3 lectures (6 hours total) per year.  
One course (10 hours total) of Web Development for children age 10-16 years.  
STEM ambassador activity – London (2017).