GIUSEPPE FILIPPONE

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WORK EXPERIENCE

Software Developer - Curricular Internship

Securproject.it S.r.l.

📅 May 2019 – June 2019   📍 Via Catania 5, Palermo, Italy

- Developing an automatic data migration system, from an old platform to a new one, using NodeRED
- Developing an automatic badging system using IoT components, and MQTT and RFC communication

Software Developer - Curricular Internship

PUSH. S.r.l.

📅 February 2017 – March 2017   📍 P.zza Sant'Anna 3, Palermo, Italy

- Developing a javascript game using the PIXI framework

Software Developer

Or.com S.r.l.

📅 July 2014 – May 2015   📍 Via G. Bonanno 122, Palermo, Italy

- Software development and web sites
- CMS owner development
- Logistics portal development with Liferay 5.2.3
- Development of a system for displaying information through digital displays (PIC'S Pannello Informativo Continuo Scuola)

SOFT SKILLS

Autonomy | Self-confidence | Flexibility / Adaptability
Stress resistance | Ability to plan and organize | Learning Potential
Communication | Problem Solving | Team work | Leadership
Organization | Flexibility | Professionalism | Responsibility
MultiTasking | Agile | Scrum

TECHNICAL SKILLS

Python 3.6.X
Micropython
C
Java 7 / 8
MATLAB 2017-2019
LaTeX
SQL
Javascript 5 / 6
PHP 4.4 / 5
CSS 2 / 3
HTML 4 / 5
Markdown
Arduino
C++
Neuron

EDUCATION

Double Master's Degree in Computer Science

Université Paris-Est Marne-la-Vallée, Paris, France

📅 Sep 2018 – Feb 2019

Agreement between the University of Palermo and the Université Paris-Est Marne-la-Vallée, to obtain the release of the Double Title of Master's Degree in **Computer Science** from the University of Palermo and the **Master of Informatique** from the Paris-Est University Marne-la-Vallée.

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Master's Degree in Computer Science

University of Palermo, Palermo, Italy

📅 Sep 2017 – Oct 2019

Thesis title: Elliptic curve in Edwards form and their application in the world of Blockchains
Supervisor: Prof. Giovanni Falcone
Age at graduation: 25
Official duration: 2 years
Graduation grade: 110/110 cum laude

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Bachelor's Degree in Computer Science

University of Palermo, Palermo, Italy

📅 Sep 2014 – Oct 2017

Thesis title: Pagerank: theory, algorithm and simulations
Supervisor: Prof. Elena Toscano
Age at graduation: 23
Official duration: 3 years
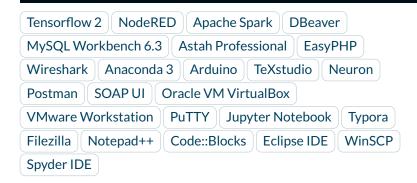**Graduation grade**: 110/110 cum laude

LANGUAGES

Italian
English
French

OTHERS

- Driving License – B

SOFTWARE SKILLS

Tensorflow 2 · NodeRED · Apache Spark · DBeaver · MySQL Workbench 6.3 · Astah Professional · EasyPHP · Wireshark · Anaconda 3 · Arduino · TeXstudio · Neuron · Postman · SOAP UI · Oracle VM VirtualBox · VMware Workstation · PuTTY · Jupyter Notebook · Typora · Filezilla · Notepad++ · Code::Blocks · Eclipse IDE · WinSCP · Spyder IDE

UNIVERSITY PROJECTS

- May 2019 **Deep learning**: Design of a recurrent network (in particular, with an LSTM network), through supervised learning, able to recognize a cardiac anomaly in an electrocardiogram;

- Gen 2019 **J2EE - Android**: Combined project between the J2EE course and the Android course. The project involved the building of a REST server in Java and an interaction via an Android interface;

- Nov 2018 - Gen 2019 **Technologies réseau pour l'Internet des Objets**: Design of a system of IoT devices, connected via WiFi Ad Hoc, for the automatic detection of traffic and notification of interesting events nearby;

- Oct 2018 - Nov 2018 **Transactions Web et technologie Rest**: Design of a system for buying and selling cars through SOAP and REST web services using the Java Standard Edition;

- March 2018 - June 2018 **Big data management**: Design of a Data Warehouse for restaurants data analysis. Implementation of Google's Pagerank algorithm using the Map-Reduce paradigm through PySpark (Python implementation of the Apache Spark framework);

- March 2018 - June 2018 **Information theory and Data compression**: Design of a software for the interaction and comparison of different data compression algorithms;

- Feb 2018 - Apr 2018 **JEE**: Design of a software using Agile Scrum approach for the management of virtualized tourist villages through Java Server Face and REST services with JWT authentication;

- Dec 2017 - Gen 2018 **Cyber security**: Design of a software for encrypting files on disk, robust to the change of file path;

- Dec 2016 - May 2017 **Software engineering**: I created a software project following the principles of Software Engineering;

- Mar 2017 - Apr 2017 **Computer networks**: The project involved interfacing between IoT devices using networks protocols.

PERSONAL DATA