Denys   Vitali

🏠 Lugano, Switzerland   📱 +41 79 366 43 60
🔥 September 29, 1996   🇨🇭 Swiss Citizen

✉ denys@denv.it   🔗 denv.it
 denysvitali   denysvitali
 denvit   denysvitali
 denvit

INTRODUCTION

I am a competent IT professional and perfectionist who likes to work with Open Source technologies. I love to solve problems with my expertise and know-how, always putting the maximum effort in what I do. I am always open to learning new things to improve my skill-set.

EXPERIENCE

Jul 2018 - Dec 2018	**Software Engineer**
	🏢 Syndeck 📍 Savosa, Switzerland
	Developed a bluetooth gateway application (in Go) that handles the communication with various medical devices. Analyzed and implemented various protocols, first in Python, then in Go. Contributed to the Node.JS / TypeScript codebase and implemented the types for the communication between the platforms with Protobuf.

Nov 2014 - Oct 2017	**Head of IT Department / Co-Founder**
	🏢 Coelis 📍 Lugano, Switzerland
	Started a startup at the age of 18, with the goal of providing engineering solutions to our clients problems. Project development, server management, website development, logo design, corporate identity creation, infrastructure setup (Git, Jenkins, ownCloud, Docker, Postfix, Dovecot, nginx), CA management, customer support.

Nov 2015 - Aug 2016	**Civil Service - Administrative help**
	🏢 Fondazione Opera Charitas 📍 Lugano, Switzerland
	Administrative work, DocuWare document storing, IT Support, Software Development.

Feb 2011 - Feb 2015	**Web Developer**
	🏢 TRUE FLAVA 📍 Turin, Italy (Remote)
	Collaboration and code review during the development of websites for many famous artists (Guè Pequeno, Two Fingerz, Danti, Fedez, J-Ax) and italian firms (Zelig, Newtopia, Best Sound, RockTV / HipHopTV). Server management.

Nov 2012 - Feb 2014	**Web Developer**
	🏢 PhoneLocator Pro 📍 Remote
	Development of the web version of PhoneLocator Pro, an Android app that was used to track the device's location.

Dec 2012 - Nov 2013	**Editor**
	🏢 Qlip Magazine 📍 Bellinzona, Switzerland
	Tech related articles, Local events

PERSONAL

Jun 2015 - Sep 2015	**Private - Information Technology**
	🏢 Swiss Army 📍 Frauenfeld, Switzerland
	Mandatory Military Service

May 2014 - Dec 2015	**Member**
	🏢 Associazione Aurora Music 📍 Lugano, Switzerland
	Web development, provided help to build the "Love Mobile" for the Zurich's Street Parade

EDUCATION

2016 - 2019	**Bachelor of Science in Computer Engineering**
	🎓 University Of Applied Sciences of Southern Switzerland (SUPSI) 📍 Manno, Switzerland
	Thesis: Gestione della produzione di prodotti DUPLEX

2011 - 2015	**FCP as Multimedia Electronics Technician and FVB**
	🎓 Scuola Arti e Mestieri Trevano 📍 Trevano, Switzerland
	Federal Certificate of Proficency (FCP)
	Federal Vocational Baccalaureate (FVB)

PROJECTS

Aug 2017 - Today	**Linux on Pixel C**
	🗂 Project on GitHub, 🐧
	With this ongoing project, we're offering a solution to replace Android and use any GNU/Linux distro on the Google Pixel C, a tablet made by Google powerd by an NVIDIA Tegra X1 SoC. This project also helped / received help from the Reswitched Team for the Green bars issue which subsequently allowed to some users to push the required patches upstream and expand the project to other devices / other projects.

Feb 2019 - Today

TSP Cup 2019

📁 Project on GitHub,

A Travelling Salesman Problem solver, written in Java, using the following algorithms:
- Simulated Annealing
- Ant Colony Optimization
- Genetic Algorithm (w/ EAX)
- Nearest Neighbor
- Random Nearest Neighbor

Feb 2019 - Today

TSP Node Server

📁 Project on GitHub,

A Go REST server to collect the requests from different TSP Solver Nodes. This project was used as a server to the 30+ clients running a custom-made Alpine Linux distribution that ran my TSP Solver for about 2 days, so that all the results could be collected in a PostgreSQL database.

Jul 2018 - Today

DMS.rs

📁 Project on GitHub,

A Document Management System, written in Rust. This tools allows its users to upload some PDFs of previously scanned documents, run an OCR and save the resulting text in a DB for further indexing. PostgreSQL was used as a backend DB.

Feb 2019 - Today

paper-fix

📁 Project on GitHub,

An image deskewer, to fix the perspective of scanned documents (e.g: when they're scanned with a mobile phone)

Nov 2018 - May 2018

Tuna

📁 Project on GitHub,

A graphics engine and GUI written in C++ with VR capabilities, reflection, Blinn-Phong, LeapMotion integration. Developed during the coruses of *Computer Graphics* and *Virtual Reality* at SUPSI.

Oct 2018 - Jan 2019

iFunny

📁 Project on GitHub,

An interpreter of a custom language (funny) written in Java. Developed during the *Compilers and Interpreters* course at SUPSI.

Aug 2018 - Aug 2018

go-against-humanity

📁 Project on GitHub,

An interactive, web-based, multi-player, Card Against Humanity game implementation. Written for fun with a friend at End Summer Camp 2018.

Mar 2018 - Today	**OptiTravel**	

📁 Project on GitHub,

A journey planner that uses *gtfs-server* and *TransitLand* to find the best route, by using public transportation services. The routing is done on the client side with the A* algorithm.
This project, developed in Java with JavaFX, was developed during the Software Engineering I course at the University of Applied Sciences of Southern Switzerland during my bachelor, with two other people.

Mar 2018 - Today

gtfs-server

📁 Project on GitHub,

General Transit Feed Specification (GTFS) REST server, which provides some GIS functionnalities provided by the PostgreSQL backend. This project was developed alongside *OptiTravel*. This project was developed entirely by myself as an addition to the *OptiTravel* project.

Dec 2017 - Today

nginx-error-pages

📁 Project on GitHub,

This project provides some nice-looking error pages for NGINX web server.

Oct 2017 - Jan 2018

viz-fgk-compressor

📁 Project on GitHub,

An Adaptive Huffman FGK compressor / decompressor, written in C for the course *Algorithms and Data Structures* at SUPSI.

Mar 2016 - Today

Sonos-Web

📁 Project on GitHub,

Web Interface for the Sonos Audio System, created with the goal of having a nice looking UI to manage the playing queue, add streaming services like YouTube and Spotify, and allow other developers to customize the UX as they want by making the project expandable through the use of plugins.

May 2016 - Today

The Best Mother Website**

📁 Project on GitHub, Website

Satire website to joke on the fact that a website doesn't need any framework to look cool.

Jun 2015 - Oct 2016

nodegram-bot

📁 Project on GitHub,

A Telegram-bot written in Node.JS, customizable, extendible and modular with the use of plugins.

LANGUAGES

🇮🇹 Italian
Native
IRL Level 5

🇺🇸 English
Professional working proficiency / Full professional proficiency
IRL Levels 3 / 4

🇩🇪 German
Limited working proficiency
IRL Level 2

🇫🇷 French
Limited working proficiency
IRL Level 2

DRIVING LICENSES

- 🏍 **A**
- 🚗 **B**