

# Luca Fabbian - Computer Engineer

[luca.fabbian.1999@gmail.com](mailto:luca.fabbian.1999@gmail.com) | +39 340 6398141 | Padova, Italy

Mainly into software architecting/framework developing/web and Android apps



## Professional Experiences

### **W. Witted Srl - Backend & frontend developer, software architect**

*Internship, from 20<sup>th</sup> July to 26<sup>th</sup> August 2020*

I worked on *Daphne* (a project about monitoring forests with smart sensors), developing a backend from scratch with *AWS*, *Serverless* and *Node*. I also developed a frontend, with *Javascript+Svelte*, to view and label data.

I worked again on the *Zephyrus* framework: a major rewrite with *ZeroMQ* instead of *ROS* improved build time of 10'000% and delay of 100'000%. It's still adopted in over 10 company projects.

### **W. Witted Srl – Software architect**

*Student internship, from 26<sup>th</sup> August to 8<sup>th</sup> September 2018 + remote work shortly afterwards*

I designed and coded a framework called *Zephyrus*. Based on *ROS* and *Docker*, *Zephyrus* automates build, run e debug of distributed programs, as the ones used in company robots.

I was also involved in the making process of a *Sealion ROUV* (underwater drone) prototype.

## Education and Awards

### **University of Padova – Computer Engineering, still ongoing**

*Master Degree, from October 2021 to date*

### **University of Padova – Information Engineering, score: 110/110 Cum Laude**

*Bachelor Degree, from October 2018 to September 2021*

I chose the traditional University of Padova career: a bachelor degree with exams about computer science, maths, physics, electronics and telecommunications + a master degree focused on computer science only. Bachelor Thesys: I suggested and developed *Unyw*, an hybrid app for running desktop *Linux* binaries on *Android*, with a brand new system to remap native GUIs into web pages.



### **Zerorobotics challenge – First place worldwide**

*International programming competition, 2017/2018 edition*

During high school, I was team leader and main developer of the "Space Lions" team, which won the international Zerorobotics challenge launched by NASA and MIT.

## Skills

**Developing:** I deeply know the *TypeScript/Javascript* ecosystem, including *Node*, *Electron*, *Ionic* and *HTML/CSS* (with *Svelte*, *Vue* e *React* frameworks). I also know *Java*, *Kotlin*, *Python*, *Golang*, *Bash*, *C*, *C++*, *Nim* and, with less degree, *Matlab* and *Haskell*. I am comfortable with *Git*, *Docker*, *AWS*, *Kali Linux*.

**Languages:** Italian mothertongue. I am used to write and read in English for my everyday studies.

**Soft skills:** quick-learner, able to handle deadlines and last minute issues. I am used to work in groups. As a hobby, I enjoy learning about modern narratology techniques.

## About me:

I am a sunny and joyful boy, who started programming at eleven years old and never stopped. I love reading, cooking, walking, watching Netflix while drinking a cup of chamomile (tea makes me sleepless). I contribute to many open-source software; I designed and still maintain projects as:

**Magebook editor:** a web app to write and prototype interactive fiction and gamebooks. Key features: collaborative editing based on *Firebase*, *Word/Libreoffice* interoperability, template to make *Ionic* apps. Employed by many italian publications.

**electron-iso-packager:** Node library to package *electron* projects into self-bootable CD *.iso* files, based on *Tiny Core Linux*.



[lucafabbian.github.io](https://lucafabbian.github.io)