

Ivan Simonini

Born in Italy, 12 May 1986

✉ ivan.simonini@roundhousecode.com

🏠 <https://gods.roundhousecode.com/>

🔗 <https://gitlab.com/drachlyznardh/>

🔄 <https://github.com/drachlyznardh/>

☎ +39 340 918 5699

"Be the fix you want to see in the source and the explanation you want to find in the manual"

Work Experience

Senior software herder

TCConsulting
Trento
Since October 2020

I work alone and in team to design, develop and run software on projects for external clients.

Fullstack developer on a massive health-care web application on AS/400 with WebSmart

DevOps on three commercial websites with Django

A parser for automotive DDD files and a rule engine in Java

Senior software herder

PerVoice
Trento
March 2018 - September 2020

As a software engineer and architect, I worked alone and in team on internal and external projects.

Backend developer for multiples services in JAVA

GUI and backend developer in Python

I tutored junior developers

I participated in the ELITR project, <https://elitr.eu/>

Software engineer

InfoSolution at e-Distribuzione
Milano
October 2017 - February 2018

User-level application for multi-connected embedded devices equipped with ethernet, GPRS and power line interfaces in C89

Software engineer

InfoSolution
Vimodrone, MI
July 2017 - October 2017

Multi-threaded *Python* application to bridge radio modems on a Linux embedded platform

Software engineer

InfoSolution at Leonardo Company
Ronchi dei Legionari, GO
June 2016 - June 2017

STANAG 4586 message protocol implementation in *C* for an UAV Ground Data Terminal

Parser for a large subset of *STANAG 5500* in Python and JS

Multithreaded library in *C++*, GUI in *QT*

Education

Master of Science - 103/110 - Data Science

University of Trento
Trento
2012 - 2016

Thesis: *“Experimental comparison of GPU – based Python frameworks for logistic regression”*
Advisor: Prof. Mauro Brunato

Machine learning, massive data analytics, distributed systems & algorithms, concurrency theory, computational complexity, real time operating systems, systems & architectures, business intelligence, business process management

Bachelor of Science - 94/110 - Computer Science

University of Trento
Trento
2005 -2013

Thesis: *“Valutazione sperimentale delle prestazioni del protocollo PTP in applicazioni di sincronizzazione distribuita”*
Advisor: Prof. David Macii

Skills

I treat software with respect and things get better. It also applies to people

Computer skills

Basic	System administration Networking SVN AWS, Azure, Hadoop HBase, Cassandra GRASS GIS
Intermediate	Microsoft Windows desktop, Linux desktop and server Office 365, OpenOffice, LibreOffice Liquibase VirtualBox, VMWare Inkscape, Dia, GIMP Blender, Cura
Advanced	Learning Git C, C++, Python unix, bash, make Qt, CUDA, OpenCL Java, Maven, Spring, Apache Camel SOAP, REST ffmpeg html5, css3, JavaScript, AJAX, PHP5 Apache HTTPD, LIGHTTPD JQuery, Bootstrap, Vue.js MySQL, MariaDB, DB2 Flex, Bison LaTeX, XeTeX, asciidoctor XSLT, XSL-FO

Social skills

Communication

I can state and explain complex ideas in simple terms using creative examples, both in person and on paper. I can write clear technical documentation
I can listen and I will
I know how to formulate questions, I have no qualms admitting I need help when I do, nor asking again and again until I understand when I do not
I think before I speak. I plan before I act. I do not lie

Organizational

I can organize my own work, create a plan and follow it through, follow instructions. I keep track of my work as I do it
I am team player, but I can also manage a small group of people
I can tolerate moderate amounts of stress and work in noisy environments

Job-related

I strive for cleanliness and readability, in code and documentation
I can interact with people and help them define functional and technical software requirements. I can design software solutions for those requirements, and I can implement those solutions using a variety of technologies
If I do not understand a specific technology deeply enough to be able to use to solve a problem, I will study it thoroughly until I do

Languages

Italian

Mothertongue

English

Expert - conversationally fluent

Interests

Indoor

Computer science, programming for fun
Cooking - Reading
Origami, papercrafting, 3D modeling, 3D printing - Typography, typesetting
Computer hardware - Gaming - LEGO, Gunpla & modeling, TransFormers

Outdoor

Gardening - Walking, running, cycling, mountaneering

I authorize the use of my personal data in accordance with Italian Privacy Protection Law (30/06/2003, n.196/03)

Trento, 2021-12-31