

Karuro Chari

✉ me@karurochari.com 🏠 karurochari.com

"The power of cookies!"

According to the Italian law 196/2003, I allow the usage of personal and professional data from this document.

Education

Università degli studi di Trento

Trento, Italia

MASTER DEGREE IN COMPUTATIONAL AND QUANTITATIVE BIOLOGY

October 2016 - Now

Experimental curriculum between Maths, Physics, Computer Science and Integrated Biology departments.

Università degli studi di Verona

Verona, Italia

SINGLE COURSES

October 2015 - June 2016

I attended some courses in the fields of mathematics and biotechnologies.

Università degli studi di Padova

Padova, Italia

1ST CYCLE UNIVERSITY DEGREE IN COMPUTER SCIENCE (INGEGNERIA INFORMATICA)

October 2012 - February 2016

- Cycle ended at 24.02.16 with grade 92/110

Liceo Scientifico Statale E.Medi

Villafranca di Verona (VR), Italia

HIGH SCHOOL DIPLOMA OF LICEO SCIENTIFICO

September 2006 - July 2012

- Final grade: 87/100

Interests

I have many interests spread all over different fields of science. This is just a selected list of the most important and the ones I am working/studying on at the moment.

Theoretical computer science in particular optimization and quantum computing.

Computational linguistics and natural languages, in particular with problems regarding semantics.

Modeling of complex systems, mainly biological ones at the moment, and control theory.

Linguistic skills

Italiano Native speaker

English B2/C1

Deutsch A2 (Göthe Institut)

Latina Scolastic

Linguistic skills are estimated and in general change when considering receptive, active or writing abilities. Other languages, I do not feel comfortable enough with, have not been listed.

Computer skills

Programming (■■■■)	C, C++, PHP, BASIC (dialects)
Programming (■■■□)	Java, JavaScript, Assembly 80x86, Assembly ARM, BASH, OpenCL, OpenACC
Programming (■■□□)	VB6, python, lua, R
Web (■■■■)	HTML5, CSS, SVG
Text Editing (■■■■)	Markdown, MultiMarkdown, \LaTeX , RFT
Operating Systems	Linux-based, Windows, DOS
Virtualization	XEN, KVM, VirtualBox
Database	MySQL, PostgreSQL
Optimization	CPLEX, basic knowledge of the environment
Simulation/Design	Limited experience with Octave, good knowledge of COPASI
Micro PLC	Experience with programming for LOGO! e ZELIO products

The languages listed should be considered as mastered when three marks are visible, and with a basic knowledge with a single one.

At the moment I am studying to improve my level in R, python, OpenCL and VHDL.

If there are particular requests they are usually welcome and my learning curve is quite fast.

Extracurricular Skills

Karate	Black first Dan, FILKAM federation
Driving license (european)	B
Traditional drawing	(■■■□)
Digital drawing	(■■■□)
3d graphics	(■■□□)
CAD	(■■□□)

I can use many drawing techniques with alcohol-based markers (COPIC), watercolours, pencils and inks.

I used Blender in the past, and I am learning OpenSCAD in the last months.

I am familiar with photoediting programs like photoshop and gimp.

I often use applications for digital drawing like Krita or PaintToolSAI.

Experience

IBM CIC

Peschiera Borromeo (MI), Italia

IT CONSULTANT

July 2016 - Oct 2016

I worked for V-TS, a customer of my employer, in the Linux team on Unicredit's servers.

Main tasks were related to sysadmin activities.

I left the job after being accepted for the master degree in Trento.

Writing

Models and techniques for the compression of reads from new generation sequencers

DEGREE THESIS

November 2015 - February 2016

Supervisor: Matteo Comin, <http://www.dei.unipd.it/~ciompin/>

<http://www.karurochari.com/en/blog/papers/thesis/main>