

Karuro Chari

INFORMATION ENGINEERING · INDUSTRIAL BIOTECHNOLOGIES

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To protect my privacy, I removed some of the most sensitive information from this document. If you need a more detailed version you are welcome to get in touch with me.

Education

Newcastle University

PHD IN COMPUTER SCIENCE

- Research programme on stochastic simulations for biochemical and biological systems.

Newcastle (UK)

2018 - Now

Università degli Studi di Trento

MASTER DEGREE IN INDUSTRIAL BIOTECHNOLOGIES

- 2-years master programme in computational biology.
- Final dissertation on computing architectures based on biochemical systems.

Trento (IT)

2016-2018

Università degli Studi di Verona

SELECTED MODULES

- Selected modules in biochemistry, organic chemistry and functional analysis.

Verona (IT)

2016

Università degli Studi di Padova

BACHELOR DEGREE IN INFORMATION ENGINEERING

- 3-years programme.
- Final dissertation on compression of high-throughput reads from next generation sequencing methods.

Padova (IT)

2012-2016

Skills

C/C++	Up to date with the most modern revisions
rust	Work in progress to catch up with my level in C++
web development	HTML5/CSS/JavaScript, Vue, CSS preprocessors and several different frameworks
python, R, LUA	Sufficient knowledge to use them for scientific and scripting purposes
OpenACC/OpenMP, CUDA	Familiarity with parallel computing and some of the most common frameworks
shaders, GLSL	Some familiarity with few visual and textual languages to implement custom shaders
database	Familiarity with most database technologies, data analysis and visualization
others languages	Rusty skills with PHP5, VB6 and older versions of Java
CAD design	CadQuery, OpenSCAD, FreeCAD
3D/2D Art	Good familiarity with Blender and its most important tools
game engines	Godot, AFRAME, three.js

Linguistic Skills

Italiano	Native speaker
English	C1/C2 depending on the specific skill
Deutsch	Limited
Latina	Scholastic

Experience

Newcastle University

DEMONSTRATOR

- Lab activities, support, and grading for different modules in computer science and related domains.

Newcastle upon Tyne (UK)

2018 - Now

Università degli Studi di Trento

TUTOR

- Didactic support and lab activities for students in computer science and biotechnologies.

Trento (IT)

2017 - 2018

CIBIO

INTERNSHIP

- Laser-induced motion of droplets for programmable chemistry.

Trento (IT)

2018

IBM CIC

IT ANALYST

- IT support & sysadmin activities for IBM clients.

Segrate (IT)

2016

Family business

RANDOM TASKS, MOSTLY IT RELATED

- Installation and setup of security systems for civil applications.
- Software design for industrial/civil automation.
- Networking.
- Electrical systems.

2009-2013

Certifications & Licences

Black belt 初段 in karate

AWARDED BY FILKAM

Italia

2011

Driving licence (B)