

# Alberto Donizetti | Curriculum vitae

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I'm a Computer Scientist by education, currently working as a Software Engineer. The three main languages in my programming toolbox are **C**, **Python**, and **Go**; I'm also familiar with the **Java** language and the **Matlab** environment.

When developing software, I value *correctness*, *readability*, and *simplicity*; I like plain, well-written, well-tested code. Performance is also a concern, when appropriate; I'm used to write code that makes efficient use of computational resources.

I mainly work in the field of Computational Science. I'm familiar with the tools and techniques required to develop, test, benchmark, and optimize computer software, primarily in the context of scientific computing.

## Work Experience

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### CINECA - SCAI (SuperComputing Applications and Innovation)

Segrate (MI)

Research Associate

July 2016 – July 2018

During my time at SCAI, I mainly worked with external users (researchers and academics) that have been granted access to CINECA's computer clusters, supporting them in the design, development, and testing of scientific software pipelines on a Linux multi-core environment. I was also tasked to develop several small libraries and scripts to be used to automate a variety of repetitive data-conversion and computing-job-submission tasks that our users commonly performed.

### Master Thesis.....

### Bioinformatics Research Group - Università degli Studi di Milano-Bicocca

Milano

Software Developer (internship)

April 2015 – March 2016

During my internship, I designed a massively parallel method for the spatial, stochastic simulation of biochemical systems, and then implemented it as a parallel C/CUDA program for execution on Nvidia's GPUs.

### Bachelor Final Project.....

### Parco Tecnologico Padano

Lodi

Software Developer (internship)

June 2013 – August 2013

During my internship, I designed and implemented a Ruby library meant to facilitate programmatic access and automated retrieval of genomic data from the REST API of EMBL's Ensembl Project.

## Education

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### Università degli Studi di Milano-Bicocca

Milano

Laurea Magistrale in Informatica, Final grade: 110 Cum Laude / 110

2013 – 2015

### Università degli Studi di Milano-Bicocca

Milano

Laurea Triennale in Informatica, Final grade: 109 / 110

2010 – 2013

## Other Technical Interests

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I'm a project member of the Go Programming Language open source project (<https://golang.org>), which I've been contributing to since 2014. In these years I reported, triaged and fixed bugs in the compiler and the standard library, profiled and optimized standard library functions, and contributed with code clean-ups and by writing or fixing documentation.