

PERSONAL INFORMATION



Luigi Chiricosta

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💬 Telegram

Sex M | Date of birth 13/01/1993 | Nationality 🇮🇹 Italian

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

Programmer in medical field, like bioinformaticists.
Available for PhD opportunities.
Interested in machine learning, images analysis, software development.

WORK EXPERIENCE

01/10/2014 – 30/04/2015

Programmer

Antlia S.R.L., Milan, Italy

- Operating systems: Windows e Linux
- Programming languages and metalanguages: Android, Java, AJAX, jQuery, JSON, XML, HTML, SQL, MySQL,, Vaadin, Jboss, Hibernate, JavaScript, CSS.

Business or sector Programming.

EDUCATION AND TRAINING

01/10/2015 – 26/09/2017

Doctor in Bioinformatics (110/110)

Master's degree in Bioinformatics, Alma Mater Studiorum ,Bologna, Italy

- Next-Generation Sequencing (FastQ for raw data (Ion Proton, Illumina), SAM and VCF files)
- Machine learning (Hidden Markov Model, Support Vectors Machines, Artificial Neural Network, Decision trees, Ensemble methods, evaluation of classifiers)
- Personalized medicine (pipeline creation, pattern recognition, in silico prediction, homology modeling, molecular docking)
- Big data
- Cancer genomics (WES data from Baylor College of Medicine and Broad Institute)
- Databases (GnomAD, 1000 Genomes Project, ExAc, ESP, ClinVar, COSMIC, PDB, UNIPROT)
- Tools (ANNOVAR, VCFTools, ContrastRank, PhD-SNP⁹, BLAST, Chimera, Rasmol)
- Operating System (Ubuntu)
- Programming languages (Python, R)
- Neuroscience and Complex Systems courses

01/09/2011 – 26/03/2015

Doctor in Computer Science (110/110 cum laude)

Bachelor's degree in Computer Science, University of Messina, Messina, Italy

- Client programming
- Web programming
- Database organization

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B2 | C1 | B2 | B2 | B2 |
| Spanish | A1 | A1 | A1 | A1 | A1 |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Good communication skills gained through my experience in programming team during:

- bioinformatics master course
- internship

Job-related skills

- Good statistical analysis and programming about cancer genomics acquired during the 8 months of thesis works entitled "Detecting cancer causing genes and variants in Colonadenocarcinoma" using genome/exome data and machine learning procedures on Linux with Python
- Good hardware knowledge acquired by myself during the realization of the computer science thesis work (Arduino-based, Java-based, Android-based) entitled "L'uomo, i robot e l'intelligenza artificiale" ("Human being, robots and artificial intelligence")
- Firebase server usage
- OpenCV library on Java, Python and Android

Digital competence

| SELF-ASSESSMENT | | | | |
|------------------------|---------------|------------------|------------|-----------------|
| Information processing | Communication | Content creation | Safety | Problem solving |
| Proficient | Proficient | Proficient | Proficient | Proficient |

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Other skills ▪ Guitar player graduated by Yamaha level 6 course

Driving licence B

ADDITIONAL INFORMATION

Conferences

- Winter school (as student) during the bioinformatics master entitled "In Silico Markers for Precision Medicine":
- In silico biomarkers: do we know them all?
 - Precision medicine in vivo and in vitro
 - Computational methods and systems biology
 - Search for markers of cancer and genetic diseases
 - Markers of cancer and genetic diseases in silico, in vitro and in vivo

