



Carmine Benedetto

Computer Engineer

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Web & Git

carminebenedetto.net
bitbucket.org/neoben
github.com/neoben
gitlab.com/u/neoben

Experience

- 07/20 - now **Engineering Leader**
Senior Embedded Software Engineer [Cisco, Pisa, Italy](#)
Design and development of Wireless/IoT solutions for mission critical systems. Team Leader for CURWB Enterprise division: OS software maintenance, design and development of new features, design and implementation of Test Automation frameworks.
- 02/13 - 06/20 **Team Leader**
Senior Embedded Software Engineer [Fluidmesh Networks, Pisa, Italy](#)
Design and development of algorithms, solutions and high speed mobility schemes for Wireless Mesh Networks. Design and development of embedded software for Wireless Network devices. Design and development of system/network services and custom device driver protocols. Development and customization of device drivers. Web and Command Line UI implementation.
- 06/10 - 09/10 **Part-time collaboration** [Area Sistemi Informatici, Università di Pisa, Italy](#)
Computer technical support. Problem solving related to hardware, software and Operating Systems. Management of the internal network.
- 10/08 - 11/08 **Internship** [Atitlan Engineering, Pisa, Italy](#)
Management and migration of servers. Development of web templates and interfaces. Management of SQL databases.

Programming



Projects

- 01/12 - Now **Co-Founder & Developer** [Icosaedro Lab](#)
Virtual lab and creative container for developing and sharing new ideas. Design and development of Web Solutions, Unix and GNU/Linux software, IoT Applications, Android and mobile Applications. Configuration and management of Linux-based Cloud Servers.

Education

- 2009 - 2012 **Master's Degree in Computer Engineering** [Università di Pisa, Italy](#)
Curriculum Networking and Multimedia.
Title of the Thesis: "A Handoff Algorithm based on Link Quality Prediction for Mass Transit Wireless Mesh Networks".
Relators: Prof. Enzo Mingozzi, Ing. Carlo Vallati, Prof. Luciano Lenzini.
- 2005 - 2009 **Bachelor's Degree in Computer Engineering** [Università di Pisa, Italy](#)
Title of the Thesis: "Development, Management and Migrations of web contents and applications". (Atitlan Engineering internship)
- 2000 - 2005 **Scientific Diploma** [Liceo Scientifico, Matera, Italy](#)
Scientific Secondary School.

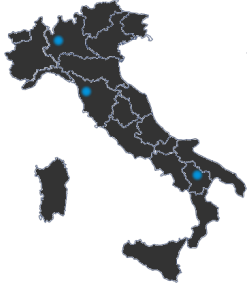
Personal Skills



OS Preference

GNU/Linux ★★★★★
Unix ★★★★★
MacOS ★★★★★
Windows ★★★★★

Places Lived



Languages

Italian ★★★★★
English ★★★★★

Interests

Playing Basketball
Playing Keyboards
Vynil Records
Riding Motorbike
Skateboarding
DIY Culture
Comics
Street Art

Patents

C. Benedetto, L. Trisolini, A. Erta, L. Bisti, U. Malesci
Transmission rate selection in mobile applications
European Patent EP3624380A1, March 18, 2020

C. Benedetto, L. Trisolini, A. Erta, L. Bisti, U. Malesci
Transmission rate selection in mobile applications
U.S. Patent 10484113, November 19, 2019

Publications

C. Vallati, E. Mingozi, C. Benedetto
Efficient Handoff Based on Link Quality Prediction for Video Streaming in Urban Transport Systems
Wireless Communications and Mobile Computing, 2016 (Journal)

C. Benedetto, E. Mingozi, C. Vallati
A Handoff Algorithm based on Link Quality Prediction for Mass Transit Wireless Mesh Networks
Proceedings of the 18th IEEE Symposium on Computers and Communications (ISCC 2013), Split, Croatia, July 7-10, 2013 (International Conference)

Awards

10/2015 **Ecateo Beta: best web application** [StartApp Toscana Contest](#)
Ecateo has been awarded as one of the the best apps for the StartApp Contest Toscana in 2015.

Certifications

07/2020 **Collaborative Working in a Remote Team** [University of Leeds](#)
Challenges & benefits of remote working

02/2018 **Software Product Management** [University of Alberta on Coursera](#)
Reviews & Metrics for Software Improvements

02/2013 **Intro to Computer Science** [Udacity, E-learning](#)
Build a Search Engine & a Social Network (Python)

Other Info

For the Italian job market:
Si autorizza il trattamento delle informazioni contenute nel curriculum in conformità alle disposizioni previste dal d.lgs. 196/2003. Si dichiara altresì di essere consapevole che, in caso di dichiarazioni non veritiere, si è passibili di sanzioni penali ai sensi del DPR 445/00 oltre alla revoca dei benefici eventualmente percepiti.

March 21th, 2022

Carmine Benedetto