Carmine Benedetto
Computer Engineer

Location
Pisa, Italy

Phone
+39 329 7216527

Mail
carmine.benedetto@ gmail.com
carmine@ carminebenedetto.net

Web & Git
carminebenedetto.net
bitbucket.org/neoben
github.com/neoben
gitlab.com/u/neoben

Dev Skills

Java
Python
Lua/UCI
Other
C/C++
Bash
HTML/CSS JS/jQuery
PHP
Android

Personal Skills

Problem Solving
Curiosity
Leadership
Team Player
Management
Planning Organization
Initiative

Experience

07/20 - now
Engineering Technical Leader
Senior Embedded Software Engineer — Cisco, Pisa, Italy
Design, development, and implementation of cutting-edge Wireless/IoT solutions for mission critical systems. Spearheading a dynamic engineering team on the design and development of new features and algorithms for embedded software running on Wireless Mesh devices. Orchestrating design and implementation of comprehensive Test Automation frameworks for high quality standards and solutions.

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.

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
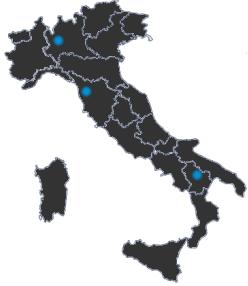Scientific Secondary School.

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.

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. Mingozzi, 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. Mingozzi, 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

03/2023   **Cisco Certified Interviewer**   SocialTalent
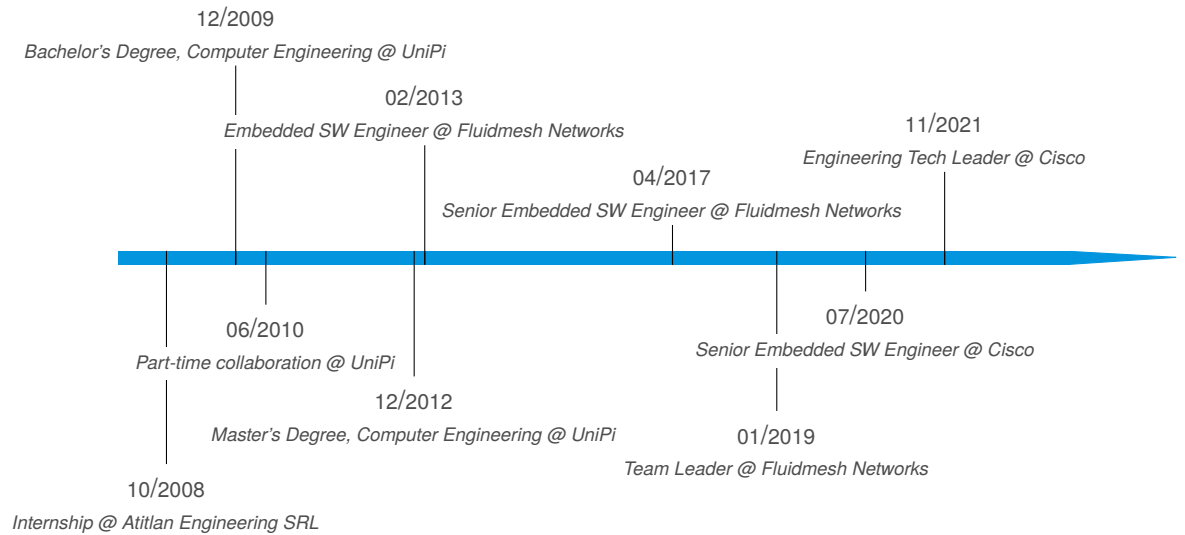*Conduct compliant, diverse and effective interviews*

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)

Processing Personal Data

I give my consent to the processing of my personal data included in my CV according to the General Data Protection Regulation (EU Regulation 2016/679) and Legislative decree no.196 of 30 June 2003.

12/2009
Bachelor's Degree, Computer Engineering @ UniPi

02/2013
Embedded SW Engineer @ Fluidmesh Networks

11/2021
Engineering Tech Leader @ Cisco

04/2017
Senior Embedded SW Engineer @ Fluidmesh Networks

06/2010
Part-time collaboration @ UniPi

07/2020
Senior Embedded SW Engineer @ Cisco

12/2012
Master's Degree, Computer Engineering @ UniPi

01/2019
Team Leader @ Fluidmesh Networks

10/2008
Internship @ Atitlan Engineering SRL

December 30th, 2023

Carmine Benedetto