



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



Personal Skills



Experience

- 07/20 - now **Engineering Technical Leader, Lab Manager**
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

- 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.
- 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)
- 2005 **Scientific Diploma** [Liceo Scientifico, Matera, Italy](#)
Scientific Secondary School.

OS Preference

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

Places Lived



Languages

Italian ★★★★★
English ★★★★★

Interests

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

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

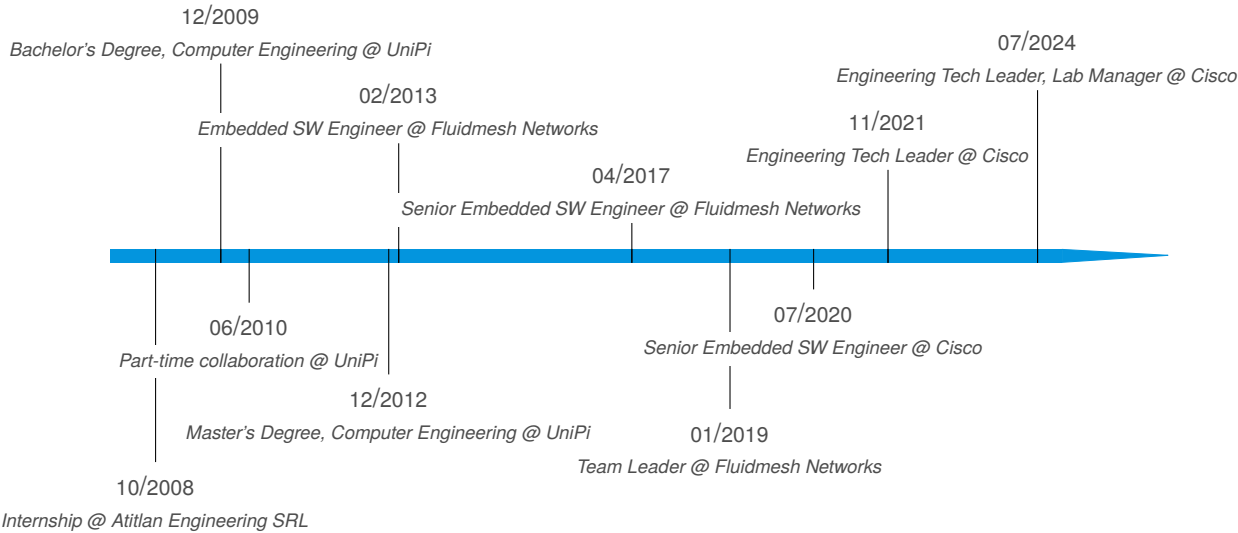
Intro to Computer Science

[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.



September 23th, 2024

Carmine Benedetto