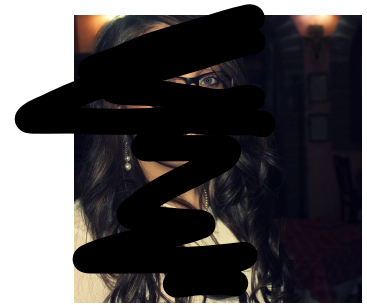
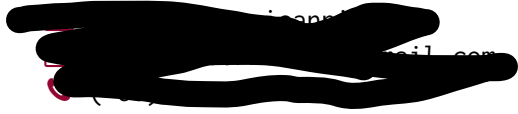


Carmela Bernardo

🏠 DING, University of Sannio, Italy



Education

- 2018 – ■ **PhD Student in Information Technologies for Engineering, University of Sannio, Italy, Cycle XXXIV**
Area of Research: Opinion dynamics stability in social network
Supervisor: Prof. Francesco Vasca

- 2018 ■ **Courses for the acquisition of basic skills in anthro-psycho-pedagogical disciplines and teaching methodologies, University of Sannio, Italy**
Courses: *Fundamentals of general pedagogy, Fundamentals of pedagogy of inclusion, Basic elements of psychological functioning with attention to cognitive and affective/relational processes, General teaching and inclusive teaching technologies, Educational technologies.*

- 2016 – 2018 ■ **Master Degree in Computer Engineering, University of Sannio, Italy**
Thesis title: *Competition and generosity in the analysis of consensus in dynamic social networks*
Thesis supervisor: Prof. Francesco Vasca
Mark: 110/110 *cum laude*

- 2012 – 2015 ■ **Bachelor Degree in Computer Engineering, University of Sannio, Italy**
Thesis title: *Design and development of a system for measuring the position of a UAV in a defined airspace*
Thesis supervisor: Prof. Pasquale Daponte
Mark: 110/110 *cum laude*

- 2007 – 2012 ■ **Scientific High School Diploma**
Higher education institution "Alfonso Maria de' Liguori"
Mark: 100/100

Work Experience

- April – November 2018 ■ **Tutor for eCampus, Grandi Scuole, Preparazione per corso di formazione professionale at CentroStudi srls, Benevento (BN), Italy**

- November – December 2018 ■ **Teaching activity for professional training course funded by the fund Forma.temp "OFFICE OPERATOR IN ENGLISH LANGUAGE" - 200 hours**
Subject: *Information and communication technology (ICT)*

- September – October 2018 ■ **Teaching activity for professional training course funded by the fund Forma.temp "LANGUAGE - CULTURAL MEDIATOR" - 200 hours**
Subject: *Information and communication technology (ICT)*

- June – July 2018 ■ **Teaching activity for professional training course funded by the fund Forma.temp "TOURIST SERVICES OFFICER - PROMOTION AND RECEPTION SERVICES OPERATOR" - 200 hours**
Subject: *Information and communication technology (ICT)*

Work Experience (continued)

- May – June 2018 **Teaching activity** for professional training course funded by the fund *Forma.temp* "OFFICE OPERATOR IN ENGLISH LANGUAGE"
- 200 hours
Subject: *Information and communication technology (ICT)*

Research experience

- 2019 – **Reviewer** for Elsevier Nonlinear Analysis: Hybrid Systems, Hindawi Mathematical Problems in Engineering, 17th European Control Conference (ECC)
- 2017 **Development** of a distributed software system that allows the management of a taxi fleet followed by GPS on Android devices installed on board vehicle
- Application** of Social Network Analysis (SNA) to a network of tweets with a predefined hashtag
- Modification** of a competition radio-controlled model with the aim of limiting acceleration in relation to the state of charge of the battery, in order to ensure greater autonomy of the vehicle
- 2016 **Development** of a parallel algorithm to calculate implied volatility through MPI and OpenMP libraries
- Implementation** of a step counting system based on wireless sensors

Training & Short Courses

- 2018 **English ESOL International - Advanced (CEFR B2) level**, AIM Awards in partnership with Anglia Examinations

Skills

- Languages **English (Basic), Italian (Mother tongue)**
- Coding **Java, C, C++, Assembly, Matlab/Simulink, SQL, HTML**
- Misc. **OpenCV, Academic research, Academic writing skills, Academic Reviewer, Teaching, Leadership skills, Training, L^AT_EX typesetting and Publishing**

Other activities

- 2011 – 2012 **Participation** in individual and team mathematics competitions

Membership

- 2019 – **Student Member of IEEE,**
- 2018 – **Member of ADI (Associazione dottorandi e dottori di ricerca in Italia)**

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned decree.

Carmela Bernardo