

# DANIELE ANGELINI

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## EDUCATION

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**Universita' La Sapienza, Roma, MEMOTEF** *November 2022 - Present*  
Ph.D. in Models for economics and finance  
Curriculum: Mathematics for economic-financial applications

**Universita' La Sapienza, Roma** *May 2019 - July 2022*  
Master Degree in Theoretical Physics *Overall Percentage: 109*

Thesis: Financial market efficiency analysis with multifractional processes with random exponent and damped forced harmonic oscillator *20 July 2022*

**Universita' La Sapienza, Roma** *September 2015 - May 2019*  
Bachelor Degree in Physics. *Overall Percentage: 101*

Thesis: La Economic Fitness e le disuguaglianze salariali *28 May 2019*

**Istituto Tecnico Commerciale Federico Cesi, Terni** *September 2010 - June 2015*  
Accounting diploma. *Overall Percentage: 100L*

## WORK EXPERIENCE

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**Math & Computer Science Teacher** *February 2022 - May 2022*  
Co.co.co. in Centro Studi Manzoni srls  
**Math:** Trigonometry - angle, fundamental functions, fundamental relations, triangle identities  
Calculus - logarithm and exponential functions  
Linear Algebra - conics as circle, parabola, hyperbola and ellipse  
**Computer Science:** C & C++ languages - if, else, for, while, do while, vectors and strings, matrix and multidimensional array, bubblesort and quicksort, binary files, functions  
JAVA - Classes and Objects, array, if, while, files

**Analyst Programmer** *February 2020 - September 2020*  
Internship in Nergal Consulting srl  
Research and Innovation in "Smart Traffic Management and Planning"  
Targets: reduce parking search times, reduce environmental pollution, facilitate traffic management and improve planning.  
My works in this projects was in two subprojects:  
**MAPS:** It facilitates city travel by providing citizens with maps and travel times from one point to another with evidence of critical areas, through the use of colors.  
<https://github.com/Daniele-Angelini/STMP-Maps>  
**PLANNING:** verifies the effectiveness of the interventions to be carried out to improve the "accessibility" of services with "what-if analysis" mechanisms through the use of the SUMO traffic simulator  
<https://github.com/Daniele-Angelini/STMP-Planning>

## SCOLARSHIPS

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2022 - Borsa di Studio Sapienza - Dottorato di ricerca  
2015 - Fondazione Sant'Anna - Best student  
2014 - "Maria Teresa Renzetti" Prize - Best student

## COMPUTER SKILLS AND LANGUAGE CERTIFICATES

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**Programming languages:** Python, C, C++, R, MatLab, JAVA, JavaScript and Visual Basic  
**Machine Learning:** Pandas, Numpy and Scikit-learn  
**Web programming languages:** HTML and CSS  
**Database management:** PostgreSQL, MongoDB, MS Access  
**Software & Tools:** MS Office, Latex, RStudio, GNUplot  
**Language certificates:** DELF B1

## PERSONAL TRAITS

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Highly motivated and eager to learn new things.  
Strong motivational and leadership skills.  
Ability to work as an individual as well as in group.