

FABIO PELUSO

SUMMARY Mathematician, eclectic, I'm looking for a job where I can apply my mathematical knowledge and my skills to interesting, concrete problems and learn everyday new things.

RELEVANT PROJECTS **NAIVE ANALYSIS OF A DYNAMICAL SYSTEM WITH PARALLEL COMPUTING**
During the first year of the Master I participated a project named INCA-ABACO, whose aim was to build a low cost minimal cluster for HPC (only for academic purposes). I successfully set up 15 Raspberry Pi 3 and used them to analyze the Henon-Heiles system with a parallelized (MPI) version of a symplectic iterator, with good performances (more infos on my website, link below).

DATASET ANALYSIS WITH MACHINE LEARNING TECHNIQUES
Analysis (with scikit-learn, Python) of a numerical dataset containing satellite data with several methods.
Accuracy obtained: >80% with SVM and KNN.

SKILLS Programming skills: basic knowledge of C, Java, Python
Language skills: Italian (Mother tongue), English (Advanced), French (Beginner)
Other skills: HTML, Wordpress, Linux, LaTeX.

PROFESSIONAL EXPERIENCE **PROFESSOR OF MATHEMATICS, ISTITUTO CESARE PAVESE, CIAMPINO (ROME AREA)**
Sep 2016 – May 2017
ASSISTANT PROFESSOR AND TUTORING, UNIV. OF ROME TOR VERGATA
Oct 2015 – Sep 2016
WEB DESIGN AND COMMUNICATION OFFICE, ITALIAN SENATE, ROME
Aug 2011 – Aug 2012

EDUCATION **MASTER DEGREE IN APPLIED MATHEMATICS**
University of Rome Tor Vergata. Graduation date: 15 December 2017. Grade: 105/110.
Master Thesis: Lidov-Kozai Resonance in Celestial Mechanics (in Italian).
HIGH SCHOOL DIPLOMA
Liceo Scientifico Vito Volterra, Ciampino, July 2007.

MORE INFOS **LINKEDIN PROFILE:** <https://www.linkedin.com/in/fabio-peluso-171ab11a/>
PERSONAL WEBSITE: <http://fabiopeluso.it/>