Maurizio Moreschi

Curriculum Vitae (05/08/2019)

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"Fatti non foste a viver come bruti ma per seguir virtute e canoscenza"

Education

Oct. 2012– Nov. 2018 **Excellence school diploma**, *Scuola Galileiana di Studi Superiori (SGSS)*, Padova (PD), Italy, 99/100.
Highly selective trajectory for excellent students, http://www.unipd-scuolagalileiana.it/en/

Oct. 2015– Aug. 2018 **MSc Mathematics**, *Leiden University*, *9,37/10 (cum laude)*.
Specialization: ALGANT (ALgebra, Geometry and Number Theory), http://algant.eu/

Oct. 2015– Aug. 2018 **MSc Mathematics**, *University of Regensburg*, *1,0/1,0 (with distinction)*.
Specialization: ALGANT (ALgebra, Geometry and Number Theory), http://algant.eu/

Oct. 2012– Sep. 2015 **BSc Mathematics**, *University of Padova*, *110/110 (cum laude)*.
Mostly oriented towards pure mathematics.

Sep. 2007– Jul. 2012 **High School Diploma**, *Liceo Scientifico Leonardo da Vinci*, Jesi (AN), Italy, *100/100*.
Pre-university education oriented towards scientific studies.

Relevant work experience

Apr. 2017– Present **Private math teacher**, in-home and online.
Tailored tutoring of high school and university students.

Sep. 2017– Aug. 2018 **Teaching assistant**, *Leiden University*.
Courses:
"Curves over finite fields" (fall 2017), "Representation theory of finite groups" (spring 2018).

Oct. 2014– Nov. 2014 **Tutor**, *University of Padova*.
Tutor in the context of the project for high school students "Modular Arithmetic and Criptology" organized by the University of Padova.

Languages

Italian Native
English Fluent (C1)
Dutch Fluent (C1)
Spanish Intermediate (B1)
German Elementary (A2)

Main IT skills

- LaTex, Mathematica, SageMath, Geogebra, Python.

Papers

- *S-parts of values of univariate polynomials (submitted)*;
- *S-parts of values of decomposable forms of finite type at primitive points (in preparation)*.

Talks and lectures

- **Theses defences:**
  - *Resolutions of singularities and log-canonical thresholds* (SGSS thesis defence; Padova, November 21th 2018)
  - *S-parts of values of univariate polynomials and decomposable forms* (Master thesis defences; Leiden, June 25th 2018 / Regensburg, July 16th 2018)
  - *L-functions and Iwasawa Theory* (Bachelors thesis defence; Padova, September 25th 2015)
- **Student seminars:**
  - *Hodge structures* (Utrecht, December 21st 2016);
  - *Main theorems of local class field theory* (Regensburg, July 7th and 14th 2016);
  - *Elliptic curves over finite fields* (Regensburg, June 29th 2016);
  - *Unramified and tamely ramified extensions* (Regensburg, May 19th 2016);
  - *$SO_2(\mathbb{R})$-decomposition of representations of $SL_2(\mathbb{R})$* (Regensburg, April 27th 2016);
  - *Simplicial sets* (Regensburg, December 9th 2015).

Achievements

- **Scholarships:**
  - SGSS excellence school bursary;
  - ALGANT excellence scholarship (ALExS);
  - Regensburg excellence scholarship;
  - Leiden excellence scholarship.
- **School competitions and projects:**
  - notable results at national level in the Mathematical Olympiads, the Philosophy Olympiads and some minor math competitions;
  - multiple mentions in the "Albo Nazionale delle Eccellenze" (yearly renewed list of exceptionally performing Italian high school students);
  - participation in several school projects about mathematics, physics and philosophy.

Key words

- Love for learning, never ending desire of self-improvement, passion, ambition, determination, creativity, dedication.

Personal interests and hobbies

- Math education for passionate high-school students, recreational mathematics, science information, languages, personal development, real estate, cooking, board games.

Driving licences

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