

Christian Táfula

Curriculum Vitae (May, 2021)

PERSONAL INFORMATION

Full name Christian Táfula Santos
Nationality Brazilian
Birthdate March 21st, 1996
E-mail christian.tafula.santos(AT)umontreal.ca

EDUCATION

PhD in Mathematics

2020–present

Université de Montréal (DMS)

PhD student at Département de mathématiques et de statistique – DMS, Université de Montréal, under the supervision of Prof. Andrew Granville. My current studies center around analytic number theory and the theory of L -functions.

Master's in Mathematics

2018–2020

Kyoto University (RIMS)

Graduated in March 2020. Master's thesis: “*On Landau–Siegel zeros and heights of singular moduli*”. Supervisor: Shinichi Mochizuki.

Bachelor in Mathematics

2013–2016

University of São Paulo (IME)

Graduated in July 2016. My bachelor's thesis was expanded and split into two papers: “*An elementary heuristic for Hardy–Littlewood extended Goldbach's conjecture*” and “*An extension of the Erdős–Tetali theorem*”.

Certificate in IT

2011–2012

ETEC Prof. Basíledes de Godoy

Medium level professional licensing in Informatics. Main focuses of the program included deployment and maintenance of System and Application Software, Web Programming and Computer Networks.

WORK EXPERIENCE

Scholarship Internship

02/2016–06/2016

PRODAM – Empresa de T. I. e Comunicação de São Paulo – SP

Computer programming intern at LabProdam. Activities put forward consist of implementing efficient software solutions for projects related to the São Paulo city government, making use of tools such as Geolocation and Image Processing.

PAPERS

3 *On Landau–Siegel zeros and heights of singular moduli*, to appear in *Acta Arithmetica*. Available at arXiv:1911.07215 [math.NT].

2 *An elementary heuristic for Hardy–Littlewood extended Goldbach’s conjecture*, *São Paulo Journal of Mathematical Sciences* **14**(1) (2020), pp. 391–405. DOI:10.1007/s40863-019-00146-3. Available at arXiv:1508.05702 [math.NT].

1 *An extension of the Erdős–Tetali theorem*, *Random Structures & Algorithms* **55**(1) (2019), pp. 173–214. DOI:10.1002/rsa.20812. Available at arXiv:1807.10200 [math.CO].

SKILLS

<i>Languages</i>	Portuguese (native), English (fluent), French (basic), Japanese (basic).
<i>Programming</i>	C, C++, PYTHON, \LaTeX

MISCELLANEOUS

Participation in mathematics competitions

2006–2012

Received awards in the Brazilian Mathematics Olympiad of Public Schools – OBMEP seven times (1 Honorable mention, 2 Bronze medals, 4 Silver medals) and in the São Paulo Mathematics Olympiad – OPM one time (Silver medal).