Chaulio Ferreira

PhD candidate at the Technical University of Munich
http://github.com/chaulio/CV

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chauliof@gmail.com
chaulio.ferreira@tum.de

About

PhD candidate at the Chair for Scientific Computing of the Technical University of Munich since 2015. Working on performance optimization of PDE engines with parallel adaptive mesh refinement, especially on Riemann solvers for the shallow water equations. Has worked in research in the following fields: Design and Analysis of Algorithms; Data Structures; Geographical Information Science; High Performance Computing.

Education

- **Technical University of Munich** — Munich, Germany
  PhD candidate at the chair for Scientific Computing — *Oct 2015 – ongoing*
- **Columbia University** — New York, USA
  Visiting scholar — *Sep 2017 – Nov 2017*
- **Federal University of Viçosa** — Viçosa, Brazil
  Master's degree in Computer Science — *Mar 2012 - Feb 2014*
- **Federal University of Viçosa** — Viçosa, Brazil
  Bachelor's degree in Computer Science — *Mar 2008 - Jan 2012*

Professional Activities

- **Federal University of Viçosa** — Viçosa, Brazil
  Lecturer at the Department of Informatics — *Apr 2014 – Jul 2015*
  - Courses: Data structures, Computer Graphics and various Programming courses.

Skills

- **Languages:** Fluent in English and Portuguese. Basic knowledge of German and Spanish.

- **Development:** C/C++, Fortran, Python, Java.

- **High Performance Computing:** MPI, OpenMP, vectorization, CUDA.

- **Other:** Git, OpenGL, Linux, Windows, LaTeX.

Awards and academic production

- 10 awards, including best conference paper, honor certificate for academic performance and various programming competitions.

- 2 papers published in peer-reviewed journals as first author.

- 11 papers published in conferences, 6 of them as first author.

- 7 scientific talks in international conferences in the US, France, Switzerland, Italy and Brazil.

- Complete lists are available in the complete version of this CV, at [https://goo.gl/GdQgU6].