

THOMAS CAMMINADY

Ph.D. Student in Applied Mathematics

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🌐 www.camminady.org 🐙 github.com/camminady

EXPERIENCE

Scientific Staff & Ph.D. Student

Karlsruhe Institute of Technology, Steinbuch Centre for Computing

📅 Oct 2017 – Ongoing 📍 Karlsruhe, Germany

- Performing research in the field of kinetic theory, machine learning and numerical mathematics and presenting results on international conferences and in scientific journals
- Teaching assistant for modules in the mathematics M.Sc. program
- Code optimization for research software on the HPC cluster of the Steinbuch Centre for Computing

Scientific Staff

RWTH Aachen University, Center for Computational Engineering Science

📅 Apr 2015 – Sept 2017 📍 Aachen, Germany

- Performing research in the field of kinetic theory and presenting results on international conferences
- Teaching assistant for modules in the CES B.Sc. program

Research Assistant

RWTH Aachen University

📅 2010 – 2015 📍 Aachen, Germany

- Performing teaching duties for a variety of mathematics modules in the B.Sc. program of Computational Engineering Science
- Several research tasks such as simulation and prediction of crime patterns, translation of a FORTRAN solver to C and particle simulations on GPUs

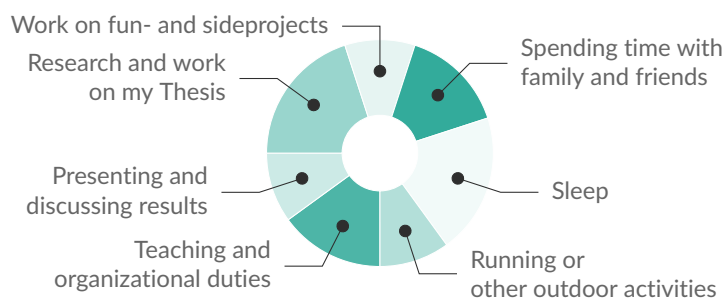
Internship & Bachelor's Thesis

Airbus Defence and Space (former EADS Cassidian)

📅 Oct 2012 – Apr 2013 📍 Manching, Germany

- Integrating adjoint shape optimization features into an existing software package
- Performing numerical simulations with existing flow solvers, in-house meshing software and the adjoint code of the German Aerospace Center

A DAY OF MY LIFE



MOST PROUD OF

Wide-ranging teaching experiences
Teaching continuously throughout my years in academia and engaging in various MINT programs

Academic achievements
First in a family to pursue a Ph.D., obtain a M.Sc., or even enter a university

Ironman triathlon finisher
Training for and finishing a full long distance triathlon as well as various other long distance events

President of SIAM student chapter
President with certificate of recognition of a student organization to promote the interaction between mathematics and industry

STRENGTHS

Focused Goal-oriented Persuasive
Motivator Leader Curious

Numerical Mathematics HPC CFD
Machine Learning Data Science
MATLAB C/C++ Python Julia

LANGUAGES

German English French

EDUCATION

M.Sc. in Computational Engineering Science (CES)

RWTH Aachen University

📅 Oct 2013– Mar 2015

Grade 1.2
Thesis on fractional diffusion equations.

B.Sc. in CES

RWTH Aachen University

📅 Oct 2009 – Sept 2013

Grade 2.0
Thesis on adjoint shape optimization.