Curriculum Vitae
Jaka Špeh

Personal Details

Date and place of birth:	July 8th, 1988, Ljubljana, Slovenia
Nationality and citizenship:	Slovenian
Home address:	Julius Raab Str. 10, 4040 Linz, Austria
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Education

2013 − Present **PhD** in **Mathematics**, *Johannes Kepler University, Institute of Applied Geometry*, Austria.

2010 − 2013 **M.Sc.** in **Mathematics**, *University of Ljubljana, Faculty of Mathematics and Physics*, Slovenia.

2007 − 2010 **B.Sc.** in **Mathematics**, *University of Ljubljana, Faculty of Mathematics and Physics*, Slovenia.

Experience

2013 − Present **Researcher** at *Johannes Kepler University, Institute of Applied Geometry*, Linz, Austria.

- Research fields: CAD, CAGD, Isogeometric Analysis, parameterizations with THB-Splines.
- Programming technologies: C++ (G+Smo), Python.

2015 (9 months) **Researcher** and **programmer** at *MTU Aero Engines*, Munich, Germany.

- Transformed academic knowledge into industrial solutions.
- Made simple and clean interface of G+Smo for Common LISP.
- Developed new blending CAD algorithms for blades of aircraft engines.
- Programming technologies: Common LISP, C++, C (Parasolid library), Python.

2012 − 2013 **Programmer** at *Institute "Jožef Štefan"*, Ljubljana, Slovenia.

- Studied Graphical models in Machine learning. Programmed LDA (Latent Dirichlet Allocation) model in C++.

August 2012 **Involved in the organization** of Mathematical Research Meeting (MaRS) for high-school students, *DMFA Slovenije*, Slovenia.

Teaching

2014 − 2015   **Teaching Assistant**, *Johannes Kepler University*, Austria.

- Seminar on latest results in CAGD and Isogeometric Analysis.
- Geometric algorithms for scientific computing in C++.

2009 − 2013   **Teaching Assistant**, *University of Ljubljana*, *Faculty of Mathematics and Physics*, Slovenia.

- An introduction to programming using C and Python.
- An introduction to computers: HTML, CSS, LaTeX, Word and Excel.

2012 − 2013   **Tutor**, *University of Ljubljana*, *Faculty of Mathematics and Physics*, Slovenia.

- Grading homework assignments.

Awards

2003 − 2013   **Zois' scholarship** for talented students.

Interests

Intersection between Mathematics and Computer Science.

- Applied Mathematics; using advanced mathematics to solve real life problems, preferably making computers to do the actual work.

- Transforming theory into code.

Skills

Language:	Slovenian (Native), English (Proficient), German (Basic).
Programming:	C++, Python, Common LISP, Matlab, C.
Sports:	Basketball, cycling.

Updated: December 12th, 2015.