

EDUCATION

2007-Present	Czech Technical University in Prague <i>Faculty of Mechanical Engineering, Department of Technical Mathematics</i> Ph.D candidate Thesis Topic: Numerical modeling of 3D viscous flow Supervisor: doc.Ing. Jiří Fůrst Ph.D. <ul style="list-style-type: none">Developing of CFD solver for 3D, turbulent, stratified, time dependent flow.	Prague, Czech Republic
2007-2008	von Karman Institute for Fluid Dynamic <i>Aeronautics&Aerospace Department</i> Diploma Course (<i>Very intensive educational and research program in CFD</i>) Project Topic: Residual Distribution Method (RDS) for linearized Euler equations Supervisor: prof. Herman Deconinck <ul style="list-style-type: none">Worked within an international team.Implemented Linearized Euler equations (LEE) in to COOLFuiD (in-house C++ CFD package).Applied LEE to acoustics.Chose a suitable test cases.Elaborated complex report.Presented achieved results. (<i>Our team was the first in the world applying RDS to such a problem</i>)	Brussels, Belgium
2006	von Karman Institute for Fluid Dynamic <i>Aeronautics&Aerospace Department</i> Short training programme Topic: Bubble Laden Flow Supervisor: prof. Herman Deconinck <ul style="list-style-type: none">Tested in-house library for bubble tracking - PLAS .	Brussels, Belgium
2001-2007	Czech Technical University in Prague <i>Faculty of Mechanical Engineering, Department of Applied Mathematics</i> Master of Arts in Mathematical modeling in engineering Thesis Topic: Numerical modeling of viscous incompressible flow Supervisor: Ing. Luděk Beneš Ph.D. <ul style="list-style-type: none">Developed CFD solver for 2D, turbulent, incompressible, steady flow.Chose suitable test cases.Validation and verification.	Prague, Czech Republic
2002-2003	Charles University School of Mathematics and Physics	Prague, Czech Republic

EXPERIENCE

2006-2007	Aircraft Research and Testing Institute Corp. <i>Department of low speed aerodynamic</i> Research assistant <ul style="list-style-type: none">Tested and determined suitability of various CFD codes for using in the department.Participate on developing 3D compressible solver for external aerodynamics.	Prague, Czech Republic
Summer 2005	Hica Ltd. <i>Construction company</i> Worker	Dublin, Ireland

Summer 2004	Holliday Inn <i>Hotel</i> Maintenance, potter, housekeeping	Cleveland, Ohio, USA
1997-2003	Metrostav Corp. <i>Construction company</i> Technician in developing workshop <ul style="list-style-type: none"> • Participated on developing concrete pump. • We obtained utility design. 	Prague, Czech Republic
1994-1997	SSS (family business) <i>Wedding company</i> <ul style="list-style-type: none"> • Communication with costumers. • Prepared advertisement. • Managed expanding to other localities. 	Prague, Czech Republic

TEACHING EXPERIENCE

Taught the courses “Algorithm development and programming” and “Numerical mathematic”.

AWARDS

5 years merit scholarship (CTU).
Graduated with honour.
Dean’s award of final thesis.

CONFERENCES

5th workshop of ARTI as., Science, research and developing in Czech aircraft industry, 2007
Nix3D_I numerical solver for external, inviscid, compressible flow.

Topical problems of fluid mechanic 2007
Numerical Simulation of 2D Turbulent Flow in a Build-Up Area

Colloquium FLUID DYNAMICS 2007
Numerical and Experimental Study of the Flow Over a Simple Building

SKILLS

- Windows 95-Vista, Linux.
 - Microsoft Word, Excel, Outlook, Power Point, LaTeX, Beamer and others.
 - Matlab, MathCad, Tecplot, Gnuplot, Fluent, Gambit, ICEM.
 - C,C++, SVN.
 - Proficient in English, intermediate in Russian (now passive).
 - Driving license A,B.
 - Certificate for Operators of Small Craft
 - Trained in making presentations and writing research reports.
 - Good communication skills.
 - Strong analytical, technical and organizational skills.
 - Ability to work under high pressure, meet the deadlines.
 - Willingness to assume responsibility.
 - Willingness to learn new things.
 - Willingness to work abroad.
 - I like challenges.
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PERSONAL

Enjoy traveling, skiing, tennis, yachting, fitness, reading books, fantasy, science fiction.