

Jiří Šumbera

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QUALIFICATIONS

- Excellent knowledge of materials science and mechanical engineering (M.Sci. In Engineering)
- Good understanding of financial and economic matters (B.A. in Economics)
- Good understanding of healthcare economics and processes of the governmental administration (Economic Analyses Dept., Office of Deputy PM Jahn, *see below*)
- Profound knowledge of mathematics (incl. statistics, image processing, neural networks etc.)
- Creativity and adaptability arising from having received both European and US education
- Ability to absorb new concepts quickly
- Good communication skills in several languages

WORK EXPERIENCE

- **Office of the Deputy Prime Minister for Economic Affairs Martin Jahn**, Prague
Analyst (healthcare reform), Economic Analyses Department, 2004-2005
- **T-mobile CZ**, Prague - Project manager assistant
- **Prague Business Journal**, Prague - Business news translator
- **Presto** and **Context Praha** - English translations and interpreting
- **Motorola a.s.**, Prague - GSM Technology Assistant

EDUCATION

- **Czech Technical University**, Faculty of Nuclear Sciences and Physical Engineering (FJFI ČVUT), Prague
2003 – (2006) PhD. in Applied Physical Engineering
Advanced Mathematical Methods of Texture Fractography (thesis)
1996 – 2003 MASTER in Materials Science and Engineering
Application of Wavelet Transform in Texture Fractography of Fatigue Crack Surfaces (thesis)
- **Milwaukee School of Engineering**, (MSOE), Milwaukee, WI, USA
2000 – 2001 (BACHELOR) in Mechanical Engineering
- **Charles University**, Faculty of Social Sciences (FSV UK), Prague
1996 – 2000 BACHELOR in Economics
Testing of Stability and Sensibility of Macroeconomic Models Using MATLAB (thesis)

COMPUTER SKILLS

- PC-literate (MS Office, HTML, Internet, hardware, etc.)
- Advanced programming in MATLAB
- Programming in C++, Turbo Pascal, Linux experience
- MARC/Nastran, SolidWorks and Algor modeling software

LANGUAGES

- **Czech** native
- **English** fluent (TOEFL, SAT I, SAT II)
- **German** advanced (ZMP)
- **French** intermediate (TD DELF)