

# Curriculum Vitae

## Vojtěch Bubník

Hlivicka 181 00  
Praha 8 - Bohnice, Czech Republic  
Tel: +420 723672967  
e-mail: bubnikv@seznam.cz

### EDUCATION:

2/2001 Ing. (master degree) in Electrical Engineering, Czech Technical University in Prague  
Specialization: Computer Graphics  
Master thesis: Consistency check and repair of models in boundary representation

### EXPERIENCE:

9/2004 - now

Software Factory s.r.o., Prague, Czech Republic

- Integration of advanced image and movie codecs into a DICOM library
- Design and implementation of a standalone DICOM viewer (medical imaging)

Consultant for Siemens Audiologische Technik, Erlangen, Germany

- Maintenance and extension of a 3d modelling software for custom hearing instruments
- Implementation of 3d algorithms for other Siemens products
- Visual C++/MFC, custom 3d libraries

2/2001 - 8/2004

Erwin Junker Grinding Technology Melnik, Czech Republic  
Erwin Junker Maschinentchnik GmbH, Nordrach, Germany

Design and implementation of a computer program for simulation and verification of NC machining – tool grinding.

- implementation of NC program interpreter
- computational geometry, 3d modelling, computer solid geometry, collision detection
- Visual C++/MFC, OpenInventor, VRML

5-10/2000

SuSE CR, Czech Republic

- package management (rpm packages)
- implementation of a localization tool for StarOffice in C++
- system programming on SuSE Linux (bash, awk, C/C++)

7-9/1997

Agricultural Center, Louisiana State University, Baton Rouge, USA

- modelling of the simulated moving bed chromatography
- Java/AWT on Windows and Linux

1997-2/2000

Computing Centre of Czech Technical University, Prague, Czech Republic

Implementation of Java applet for interactive design and simulation of mechatronic systems.

- client / server architecture, using solver DYNAST
- working on Windows and Linux
- Java/AWT

**PROFESSIONAL SKILLS:**

C++ (Visual C++/MFC/Win32, gcc), Java, Pascal  
system programming on Linux (C/C++, bash, awk, python)  
DSP programming on Windows CE (HF modems for HAM radio)  
experience in administration of Linux systems, TCPIP, LAN  
internet: HTML, CGI, VRML, Apache server  
basic knowledge of SQL, using MySQL on Linux, Oracle  
basic programming knowledge of PalmOS  
typesetting in typographical system  $\text{\TeX}$   
design and programming of singlechip systems  
wireless data transfer (packet radio)

**LANGUAGES:**

Czech - native  
English, German - advanced level

**PERSONAL DETAILS:**

Date of Birth: 9th Juli 1976  
Marital Status: single  
Driving Licence: A, B

**INTERESTS:**

metheorology, gliding, windsurfing, ski, HAM radio, electronics, music performance

References upon request.