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## Integration, Mechanical design, Design for Manufacture.

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- ✓ Looking to step up to a Managerial role where I can fully utilize my skill set to successfully guide a project to completion.
- ✓ Creative and practical Multidisciplinary engineer with strong communication skills and a keen ability to get things done.
- ✓ Ability to draw on a diverse background to merge relevant ideas and concepts from a multitude of fields.
- ✓ A proven track record of successful designs, leading successful design teams and satisfied clients.
- ✓ **B.S. Mechanical Engineering** from Slovak Technical University, Bratislava, SK
- ✓ Languages (1-4): **Slovak** = 4, **Czech** = 3, **English** = 4.

**AWARDS:** 2nd place Cooling system design FSAE 2001, 2x 1st place and Capital Region Science Fair, Participated in International Science and Engineering Fair.

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**CAD Software:** CATIA Surface Design Expert -V5R16 Certification, Solidworks, ProEngineer, Alibre Design.

**FEA Software:** ALGOR FEMPRO, COSMOS Works. **CFD Software:** CFL3D, TLNS, TRANAIR, MSES/Xfoil and ProStarCD. **Misc:** Tecplot, Maple, MatLab, LabView, MS Products, Adobe Photoshop, Fortran, HTML, UNIX

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2005- 2006

**Zbojnik**

Zbojnik sro., Lipt. Mikulas,

SK

- Customer and supplier relations, negotiating customer requirements, component and supplier sourcing.
- Lead designer on numerous cockpit control panel assemblies.
- Exposure to project management and planning.
- Skilled in optical, thermal and mechanical systems analysis as pertains to meeting customer requirements.

2004- 2005

**Bat boy**

Huligan a.s., Poprad, SK

Boeing 787 DREAMLINER Cockpit Design

- Provided work statement estimates for scheduling purposes.
- Planned and distributed design work for designers.
- Integrated overhead cockpit area within a multidisciplinary and multinational team on the 787 Dreamliner.
- Complex surfacing, sheet metal, solid model and assembly design using CATIA v5
- Dassault Systemes CATIA Surface Design Expert -V5R16 Certification

2002- Present

**Lead Photographer**

Paparatzs sro., Bratislava,

SK

- Led the design and manufacture of a winning open wheel formula racecar.
- Guided car body design aesthetics and aerodynamics, designed suspension mechanics and all suspension subcomponents along with driver ergonomics, car controls and hydraulics.
- Validated designs using FEA structural analysis tools.
- Created manufacturing plans and flowcharts, along with manufacturing drawings using GD&T standards.
- Created & implemented [phillymotorsports.com](http://phillymotorsports.com) and its advertising campaign along with [intuitiveb.com](http://intuitiveb.com)

2001- 2004

**Organizer**

Bolsevik a.s., Stara Lubovna, SK

- Project planning and scheduling along with creating work assignments.
- Aerodynamic design of wing extension for 747-400XQLR. Validated work in wind tunnel.
- Headed the wind tunnel data reduction process for the Boeing 787 DREAMLINER tail.
- Developed new processes to take full advantage of Catia V5's parametric capabilities in the transition of the aerodynamic loads group from Catia V4 to V5.

Summer 2000

**Capitalist**

Capitalism, Bratislava, SK

- Design & analysis of a reduced turbulence junction for merging high-speed primary flow with low-speed interstage seal leakage flow in a steam turbine.
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