

## CURRICULUM VITAE

### ZDENĚK HOUF

\*15. 9. 1985,

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Driving Licence: B class



### EDUCATION

[CTU FEE, Prague]

**[Ing.]**

**[2011]**

[Electrical Engineering – Electric Drives]

Diploma thesis – Electrical Equipment of Electromobiles – DC-DC converter]

[TPU, Tomsk, Russia]

[Educational Exchange]

**[1/2010-6/2010]**

[Drive control for non-contact measurement of ovality commutator for machine operation]

[Secondary Technical School in Žďár nad Sázavou]

**[2005]**

[Branch: Automation – GCSE exam]

### PREVIOUS JOBS

[CONTINENTAL Automotive s.r.o.]

**[Prototype Engineer]**

**[5/2014- XX/20XX]**

[Reviving and testing prototypes. Adjusting and repairs of prototype printed circuit boards. Design of testing devices and equipment. Working with a 3D printer. Basic work with conventional machine and CNC milling machine.]

[TEBECO s.r.o.]

**[Electrical Engineer]**

**[3/2013-12/2013]**

[Design of electric equipment of manipulation carts, support for mechanical designers, installation and servicing of carts]

[TÜV SÜD Czech s.r.o.]

**[Consultancy]**

**[5/2012- 5/2013]**

[E-mobility]

[J. Heyrovsky Institute of Physical Chemistry of the ASCR, v. v. i.]

**[Electronics technician]**

**[4/2009-12/2009]**

[Construction and maintenance of new equipment used in basic research]

### RELATED EXPERIENCE

[eForce FEE Prague Formula]

**[Team Captain]**

**[9/2010] - [12/2012]**

[I have actively participated in the design of hardware converters for electric formula drive. As Team Captain, I had to deal with, inter alia, organizational problems. <http://https://eforce.cvut.cz/cs/person/fkyfky#content>]

[LSM – Summer youth camp]

**[Instructor]**

**[2004] - [2014]**

[Teaching fundamentals of electronics in summer camp for youth people. <http://lsmstepanov.cz>]

[Institute Of Chemical Technology Prague – High Voltage Power Supply 10 kV / 1 mA]

**[Design & manufacture]**

**[2010] - [2011]**

[Design, manufacture and testing of high voltage power supplies for laboratory apparatus working with low-temperature plasma]

[Czech Technical University in Prague, Department of el. Drives and Traction - Connecting the EMX development kit to the Freescale Tower]

**[Scheme and design + PCB]**

**[2012]**

[Scheme design according to specification; design 4-layer PCB, consultation in PCB production and assembly. It was the connection of the basic unit EMX module (GHI) to Freescale development kit]

[TPU Tomsk - stepper motor control via RS232 from PC]

**[PCB, Scheme design, firmware ATTiny2616]**

**[2010]**

[Scheme design according to specification, design of 2-layer PCB, firmware for the processor, interface module between the PC and the stepper motor, which adjusted the position sensors for non-contact measurement of roundness of the commutator. ]

## LANGUAGES

[Czech- native speaker]

[English - spoken and written at a high level – B2]

[Russian - spoken, written and reading at an advanced level – C1]

## SOFTWARE

MS Office (advanced knowledge, Visual Basic ), Eagle (advanced knowledge), AutoCAD (advanced knowledge), Catia V5 (measuring in assemblies)