

MICHAL SVOBODA

Born on 03.11.1988

Czech citizenship

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<https://michsvob.github.io/Portfolio/>

Nürnberg



WORK EXPERIENCE

11/2017 – Process engineer at ETO Sensoric now

Electronic manufacturing in Nürnberg

- Responsible for production processes Wire Bonding, Bond Testing and Encapsulation
- Selecting new machines and their implementation into production
- Statistical analyses of production data
- Process documentation as to IATF 16969 and others
- Planning and evaluation of experiments, determination of process margins
- Defining design rules
- Scrap analyses

1/2015 – Process engineer at ABB Semiconductors 10/2017

Power semiconductor manufacturer in Prague

- Maintaining and improving production processes
- Developing power module packaging technologies
- Leading several investments into production equipment
- Selecting materials, technologies and machines for new products
- Programming of applications (VBA, R, Python)
- Setting up production after transfer from different location
- Responsible i.a. for soldering, wire bonding, assembly, laser marking

1/2014 – Technologist at Prakab 12/2014

Cable manufacturer in Prague

- Product engineering
- Technical support of customers and foreign trade department
- Management of technical documentation
- Optimization of production
- Internal auditing (ISO 9001, ISO 14001, OHSAS 18001)

STUDIES

**7/2013 –
10/2013**

Research scholarship at A*STAR

Agency for Science, Technology and Research in Singapore

- Analysing life cycle impact of electric vehicles
- Data analysis & modelling (Wolfram Mathematica, MS Excel)

2011 – 2013

Czech Technical University in Prague

Dipl. Ing. Electrical Engineering, Power Engineering and Management

Focus: Power engineering, power electronics, electronic industry (technologies, quality management)

Graduated with honours (GPA 1.3)

2011 – 2012

Graz Technical University

Erasmus scholarship for 2 semesters

2008 – 2011

Czech Technical University in Prague

Bc. Electrical Engineering and Informatics

Focus: Electrical engineering, programming, mathematics

Graduated with honours (GPA 1.5)

INTERESTS

Data science

Coursera online courses in R and Python (regression models, data visualisation, data cleaning...)

**Machine learning
Membership**

Completed Coursera deep learning specialization

German association for welding (DVS) - working group
Wire bonding

Sport

Cycling, basketball, swimming

IT SKILLS

Programming

R, Python, VBA, SQL, Wolfram Mathematica, Java

CAD

AutoCad, FreeCad

Office applications

MS Office (Word, Excel, PowerPoint, Sharepoint), SAP

Statistical SW

Minitab

LANGUAGES

Czech (mother tongue), English (C1), German (C1), Spanish (A2)

31. May 2019