

Curriculum Vitae – Patrick Boesch

B. Sc. In Systems Engineering with Specialisation in Biomedical Engineering and International Profile, UAS Zurich (ZHAW)

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Norway

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Nationality Swiss
Date of Birth 03.03.1990
Marital Status Single

Profession Development Engineer,
B.Sc. in Systems Engineering, Specialization Biomedical Engineering

Language Skills German: Fluent-Native Speaker
English: Fluent (CAE, Level C1)
Norwegian: Basic Knowledge
French: Basic Knowledge

Driving Licence Full licence since 07/2011



Educational details

09/2012 – 07/2015 **Zürich University of Applied Sciences,
B.Sc. in Systems Engineering, Specialization Biomedical
Engineering and International Profile** (Grade 5.08 / 81.6%)
3-year professional course, 184 ECTS credits

Project Thesis* on: Automatic Skin Cancer Detection,
Bachelor Thesis* on: Design of an IR-LED Excitation System
for Hyperthermia Therapy with Gold Nanorods
* Grade of 5.5 / 90% (max. Grade 6.0 = 100%)

09/2011 – 03/2012 **Certificate in Advanced English Level C1,**
Languages International Auckland, New Zealand

08/2005 – 08/2009 **Apprenticeship as an Electrician at Wenger + Wirz AG,**
Diessenhofen and joint Berufsmittelschule (BMS) at BBZ
Schaffhausen, Switzerland (Grade 5.3 / 86%)

Employment history

02/2016-Present **Norwegian University of Science and Technology NTNU,**
Trondheim NO, Dept. of Engineering Cybernetics
Full time Development Engineer for the Artificial Pancreas
Trondheim (APT) Group www.apn-norway.com
Responsible for the development and testing of various prototypes
as well as technical assistance for animal trials.

08-09/2015 **Norwegian University of Science and Technology NTNU,**
Trondheim NO, Dept. of Engineering Cybernetics
Internship, "Development of an IR-Spectrometer for Glucose
Analysis in biological Fluids"

08-09/2014 **Wenger + Wirz AG**, Schaffhausen
Full time as an Electrician

07-08/2013 **Wenger + Wirz AG**, Diessenhofen
Full time as an Electrician

03-08/2012 **EWE Elektro AG**, Hüttwilen TG
Full time as an Electrician

04-09/2011 **Wenger + Wirz AG**, Diessenhofen
Full time as an Electrician

03/2010 – 04/2011 **Army Service** at the Tank Forces of the Swiss Armed Forces,
Achieved the Rank of a Company Sergeant Major

08/2009 – 03/2010 **Wenger + Wirz AG**, Diessenhofen
Full time as an Electrician

08/2005 – 08/2009 **Wenger + Wirz AG**, Diessenhofen
Apprenticeship as an Electrician

Additional Information

Software Knowledge

Confident: MATLAB, CATIA V5, SOLIDWORKS 2015,
Microsoft Office, LaTeX, Assembly (X86)

Familiar: C, Java, ANSYS (Finite Elements), Simulink, Maple,
Berkley Madonna, Altium

Army Service

Swiss Army Service (March 2010-April 2011)
Company Sergeant Major, Tank Brigade 11, Swiss Armed Forces

Extracurricular Activities

08/2014 – 06/2015 Team Manager of the Infrastructure Division at the Frackwoche
(Graduates Week) 2015 www.frackwoche.ch

09/2013 - 05/2014 Joined Leader of the Catering Division involved in the Thurgau
Swiss Wrestling Competition 2014

2014-Present Youth + Sport Representative at the Sports Club STV Basadingen

2009-2016 Leader of the Youth Section at the Sports Club STV Basadingen,

Interests Travel, Sports Club, Diving, Reading

Referees

On request