

# Martin HOLUB

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Oct 1, 1993

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## Personal Statement

Ambitious engineer in making, passionate about the fields of Bioengineering, Sensors and Data Analytics. By combining these fields in my work and research, I ultimately aim to help people live high-quality lives and reach their full potential.

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## Education

**Brno University of Technology, Faculty of Mechanical Engineering**

***Bc.S. in Mechanical Engineering***

Brno, Sept 2013 – Jun 2016

- GPA 1,03 from 203 credits
- Honeywell award for outstanding thesis ("Cavitation in Microfluidics")
- GE Foundation Scholar-Leaders Award – 2015 grantee
- Selected subjects: Microsensors and Micromechanical Systems, Machine Learning, Automation, Engineering Design, Fluid Dynamics, Thermodynamics & Heat Transfer, Strength of Materials, Finite Element Method & ANSYS, Dynamics, Numerical Methods, Mathematics (I, II, III, IV), Physics (I, II)

**Gymnázium Jírovцова 8**

České Budějovice, Sept 2005 – Jun 2013

- Graduated with honors from Mathematics, Physics, Czech and English

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## Relevant Experience

**Laboratory of Sensors and Nanosystems, Central European Institute of Technology (CEITEC)**

***Research Assistant***

Brno, Jun 2016 – Present

- Soft lithography and microfluidic chip testing. Numerical flow and heat transfer simulations

**IAESTE Czech Republic**

***Project Coordinator, Exchange Team Member***

Brno, Oct 2014 – Jun 2016

- Coordinating online version of Katalog iKariéra® 2015- catalogue aiming to connect students and companies (over 40), while also serving as a branding tool
- Staff Manager at Veletrh iKariéra 2015 (career fair for 70 companies and over 3 500 students), coordinating support team of over 50 people

Robert Bosch, spol. s.r.o.

### *Summer Intern*

České Budějovice, Jun 2015 – Sept 2015

- Working in close cooperation with product technologists and other interns on the project of Control Plans, data management and analysis in Excel
- Providing trainings to employees on how to efficiently work in the software environment

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### Laboratory of Sprays and Fluid Atomization, Brno University of Technology

#### *Research Assistant*

Brno, Oct 2014 – Mar 2015

- Information acquisition and organization, data analysis and processing (FFT), creating graphical output from data
- Cooperated on article “Some aspects of disintegration of annular liquid sheet in pressure-swirl atomization”

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### Other

- Volunteering
  - Education (Museum of Romani Culture – Brno, since 2015) – teaching remedial classes
  - Sustainable development (Concordia Ile-de-France – Paris, 2013)
  - Culture (Allez les Filles – Bordeaux, 2014, Budějovický Majáles – České Budějovice, 2010-2013)
- Working abroad for two months (France, summer 2014)
- BEST Spring Course on Technology – Renewable Energy and E-Mobility (University of Erlangen-Nuremberg, May 2015)
- BEST Summer Course on Technology – Recycling and Advanced Materials (Ghent University, July 2014)

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### Computer Skills

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| <ul style="list-style-type: none"><li>• <b>CAE Software:</b> Fluent, ANSYS, MATLAB, Octave, AutoCAD Mechanical, Inventor, Maple</li><li>• <b>Programming:</b> Python, JavaScript, HTML and CSS (all basic knowledge)</li></ul> | <ul style="list-style-type: none"><li>• <b>Other:</b> SAP, Microsoft Office - Excel, Word, PowerPoint, LibreOffice (all intermediate knowledge). Linux (user-level knowledge), OneNote</li></ul> |
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### Languages

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| <ul style="list-style-type: none"><li>• English (Full Professional Proficiency, C2- CAE)</li><li>• French (Professional Proficiency, B2- DELF)</li></ul> | <ul style="list-style-type: none"><li>• German (Limited Working Proficiency, B1/B2)</li><li>• Slovak (Full Professional Proficiency, C2)</li></ul> |
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### Hobbies

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| <ul style="list-style-type: none"><li>• Sports (Ultimate Frisbee, urban cycling, swimming)</li></ul> | <ul style="list-style-type: none"><li>• Toastmasters (public speaking)</li><li>• Foreign languages</li></ul> |
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Brno, July 24, 2016

