

# Dat-Chanh Nguyen

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## Education

### The Lucerne University of Applied Sciences and Arts

Luzern, Switzerland

B.Sc. IN MECHANICAL ENGINEERING (CONT.)

Sep. 2016 - 2018 (expected)

- Main focus: Energy, Flows and Processes

### ETH Zürich (Swiss Federal Institute of Technology in Zurich)

Zurich, Switzerland

B.Sc. IN MECHANICAL ENGINEERING

Sep. 2013 - 2016

- Teaching Assistant: Introduction to Fortran Programming - MSc. ETH. Mario Kovacs
- Programming Assistant: Analysis of "Microcensus Mobility an Transport" and Calculation of Disaggregated Swiss Mobility Demand Using Clustering and Sampling Techniques - MSc. ETH. Emir Cabukoglu, 2016

### KSR (Kantonsschule Reussbühl)

Luzern, Switzerland

HIGHSCHOOL

Sep. 2009 - 2013

- Took part in Swiss Physics Olympiad 2009, placed 34th.

## Skills

<b>Engineering Tools</b>	CAD: (UNI NX, Solidworks), MatLAB, Mathematica, CFD: OpenFOAM, Version Control: Git
<b>Manufacturing Tools</b>	3D Print: Skeinforge, Repetier Host, G-Code
<b>Programming</b>	Python, C/C++, Fortran, Ruby, PHP, LaTeX
<b>Web</b>	Ruby on Rails, SQL (MySQL/PostgreSQL)
<b>Languages</b>	Vietnamese (mother tongue), German (fluent), English (fluent), Italian (B1)

## Experience

### SPOD - VSETH

Switzerland

SYSADMIN - OPERATING MANAGER

Dec. 2013 - 2016

- Running and maintaing various small-sized servers (Tower and 2U-Rack)
- Debugging a legacy Ruby on Rails application and developing a new replacement
- ICT-support for Windows, Mac and Linux systems
- Control the quality of printing products and do routine maintenance work on XEROX C75

### Reiden Technik AG

Reiden, Switzerland

ENGINEERING INTERNSHIP

Jan. 2013 - Apr. 2013

- Assemble the combined milling and lathing CNC machines: RX-Serie (RX-10, RX14, and RX-18)

## Extracurricular Activity

### SCI Switzerland (Service Civil International)

Switzerland

MEMBER

2010 - 2014

- Help distributing used clothes and food for homeless people around St. Pauli, Hamburg at Alimaus St.Ansгар e.V.

### Scientifica, ETH Zurich and University of Zurich

Zurich, Switzerland

TEACHING ASSISTANT

2015

- Supervise 4 groups of 10 to 15 children, aged from 10 to 14, for the workshop "Introduction to Robotics, with Thymio II" at Scientifica Event.

### TheAlternative.ch, [project 21]

Zurich, Switzerland

ASSISSTANT

2014 - 2015

- Helper and Troublershooter at various Linux Installation Day events.

## Writing

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### A Guide for beginners to Arduino and wireless technology (XBee)

*Personal Blog*

FOUNDER & WRITER

2010 - 2013

- Various interesting code snippets and Do-It-Yourself tutorials (Weather tracking system, Hexacopter, tabletop CNC router)

## Program Committees

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2014, 2015 **Responsible**, Activity Fair

*Switzerland*

2015 **Staff**, Scientifica Event

*Switzerland*