

# Curriculum Vitae

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## Personal Data:

Date of birth: 21.09.2000 in Gräfelfing, Germany  
Father: A. Berns, Dipl.-Ing. in Electrical Engineering / MBA  
Mother: L. Berns, Dipl.-Ing. in Physics  
Brothers: Nick, Michael, Peter, Paul, Georg, Konstantin

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## Education:

04/2025 – current	<b>Research Student in Artificial Intelligence (Fed. Learning)</b> <ul style="list-style-type: none"><li>Prof. M. Kuribayashi - Tohoku University, Sendai, Japan</li></ul>
10/2024 – 04/2025	<b>Japanese Language Study Course in Japan</b> <ul style="list-style-type: none"><li>Sendai Language School, Sendai, Japan</li></ul>
08/2019 – 03/2024	<b>Bachelor of Engineering in Electrical Engineering</b> <ul style="list-style-type: none"><li>University of Applied Sciences Trier, Germany</li><li>Thesis: Analysis of the Applicability of Machine Learning Algorithms for Improving the Condition Monitoring of Diaphragm Piston Pumps</li></ul>
08/2019 – 07/2023	<b>Certificate of Proficiency in Mechatronics</b> <ul style="list-style-type: none"><li>Vocational Training School BBS Wittlich, Germany</li></ul>
01/2019 – 07/2019	<b>Cambridge International A Level Examinations</b> <ul style="list-style-type: none"><li>Missionsgymnasium St Antonius, Germany</li></ul>
08/2018 – 12/2018	Hermann Gmeiner School, Yantai, China
02/2015 – 07/2018	Westlake Boys High School, New Zealand
02/2014 – 08/2015	Whangaparaoa College, New Zealand
09/2011 – 12/2013	Kepler High School, Freiburg im Breisgau, Germany
09/2010 – 07/2011	Loretto Primary School, Freiburg im Breisgau, Germany
09/2007 – 08/2010	German International School, Moscow, Russian Federation

## Practical Experience:

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08/2019 – 03/2024	<b>Cooperative Student of Electrical Engineering</b> <ul style="list-style-type: none"><li>• Feluwa Pumpen GmbH, Mürtenbach, Germany</li><li>• Development and Deployment of a Machine Learning Model for the Diagnostic System of Double Hose Diaphragm Pumps</li></ul>
10/2020 – 10/2023	<b>Chinese Language Assistant</b> <ul style="list-style-type: none"><li>• Confucius Institute, Trier, Germany</li><li>• Moderating events, cultural promotion and translation</li></ul>
10/2021 – 09/2022	<b>University Mathematics Tutor</b> <ul style="list-style-type: none"><li>• Trier University of Applied Sciences (Prof. Haffner)</li><li>• Teaching undergraduate engineering students</li></ul>
08/2019 – 07/2023	<b>Certificate of Proficiency in Mechatronics</b> <ul style="list-style-type: none"><li>• Feluwa Pumpen GmbH, Mürtenbach, Germany</li><li>• Testing, configuration and installation of control panels, frequency converters and motors up to 1.2 MW</li><li>• Maintenance of the electrical factory infrastructure</li></ul>

## Achievements

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07/2024	Innovation Award for Artificial Intelligence (Funkensprüher Award 2024) (1st place)
03/2024	Bachelor Thesis Grade awarded with 1.0 (100%)
10/2023	German National Chinese Language Competition (2nd)
06/2018	New Zealand awarded high school scholarship for a 6 month China culture and language exchange program.

## Languages

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German, English, Russian	native
Chinese	fluent
Japanese	basic

## IT proficiency

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Python, C, C++, Latex, Altium Designer, PostgreSQL, Docker

## Personal Interests

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piano, choir, reading, hobby beekeeper, sailing, triathlon

## Reference

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Prof. Dr. rer. nat. E-G. Haffner

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Alexander Berns



21.05.2025