

Dominik Hollidt

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EDUCATION

Master Studies / September 2020 - now

ETH Zürich - Zürich, CH

Excited about more international experience together with the chance to study at a top 4 university for computer science I started my master studies at ETH Zürich. With the major in Machine Intelligence and minor in Theoretical Computer Science to improve my algorithmic understandings.

Machine Intelligence Theoretical Computer Science

Exchange Student / August 2019 - June 2020

KTH Royal Institute of Technology - Stockholm, SE

To learn more about other cultures, learning experiences at other universities, improve my language and grow as person I went on exchange to KTH. Here I developed a stronger interest in computer vision and wrote my Bachelor Thesis about *Optical Flow Algorithms for Event Based Cameras*.

Machine Learning Computer Vision Robotics AI

Undergraduate / September 2017 - June 2020

Technical University Berlin - Berlin, GER

Started my degree at TUB. Finished the basic studies plus business class to extend my horizon. Graduated with 1.3 German Score.

Python Java C++ basic studies

Pre-University Classes / Summer 2017

Free University of Berlin - Berlin, GER

Excited to start my degree I spent the summer at FU Berlin with introduction classes to computer science. This confirmed my motivation to study computer science.

Student Graduation / July 2017

Eckener Gymnasium - Berlin, GER

I graduated from school in 2017 with 1.4 German Score. Already in school I was excited to extend my horizon and had an exchange year to Thomas Adams School in Wem, Great Britain. Focus and elective classes:

Chemistry Math Computer Science



ACTIVITIES / INTERESTS

In my leisure I do a lot of sports. I was a long time member of an athletics team, play badminton and do bouldering. Also I like to play the accordion.



OTHER PROJECTS

- **Formula Student:** Formula Student is a student engineering competition with a huge community around the globe. The goal is to build an autonomous race car and compete against other university teams around the globe, e.g in *Hungary, Italy or Germany*.
- **KTH Formula Student (08.2019 - 06.2020):** In the first year in the formula student world I learned about machine perception with the focus on LiDAR. Further, did I help with team management and experimented with learning in the cloud with Docker.
- **AMZ (09.2020 - 09.2021):** Stepping up the game working almost full time I joined the Formula Student Team at ETH. Here I developed a LiDAR color detection method via a CNN. Further, I worked a lot with Software Infrastructure, Continuous Integration and a custom KPI tool (Jenkins, Docker). Most valuable was to learn about the whole end-to-end integration of our autonomous pipeline together with the software-hardware integration (developed automatic LiDAR calibration tool).
- **Internship AVM (06.2020-09-2020):** The goal was to perform data analysis of customer support data and automatically link it to crashes and bugs. Developed automated generated data summaries via Spark and Zeppelin, a tool to analyse Wifi speed tests and a tool to see feature relevance via decision trees.
- Developed small phone controlled LED-Controller.
- Developed automatic cat feeding machine.



Skills

Tools: C++, Python, ROS, Keras, OpenCV, NumPy, Pandas, Docker, Matplotlib/Plotly, Jenkins, Java

Other: CI/CD, Version Control, Docker, Jenkins, (py)Spark

Languages: German: native, English: C1 fluent, Swedish B1, Latin



SCHOLARSHIPS

- VDI Honoring: For excellent graduation
- ERASMUS Scholarship
- IT-Talents Scholarship
- Nominated for "Stipendium des deutschen Volkes" due to excellent academic performance