

# Alexander Christoph

Bachelor of Science,  
Electrical and Computer Engineering

## ACADEMIC CAREER

- Master's degree TU Munich since 04/2020
- In Electrical and Computer Engineering (M. Sc.)
- Bachelor's degree University of Stuttgart 10/2015 – 10/2019
- In Electrical and Computer Engineering (B. Sc.)
  - Final grade 2.3
  - Promoted by *Deutschlandstipendium* (08/2016 – 04/2017)

## SCHOOL EDUCATION





- Allgemeine Hochschulreife 09/2007 – 06/2015
- Johannes-Kepler-Gymnasium Weil der Stadt
  - Final grad 1.7
  - Participation in Robotics working group (09/2009 – 06/2015)
    - o Construction and programming of rescue and soccer robots
    - o Participation and win at regional competition in Weil der Stadt (12/2009, 12/2011, 12/2014 + 12/2015)
    - o Participation and win at qualification event in St. Augustin (02/2013, 02/2014 + 02/2015)
    - o Participation at German Open in Magdeburg (04/2010, 04/2014 + 04/2015)

## PROFESSIONAL CAREER

- Working student Siemens AG since 04/2020
- Researching the usability of various different Machine Learning and Deep Learning algorithms for Edge-Cloud Environments and intelligent manufacturing Infrastructure
  - Implementing and Evaluating various aforementioned algorithms within an Edge-Cloud



## Contact

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-  [GitHub](#)
-  [Portfolio](#)

## Skills

### Languages

- German ●●●●●
- English (C1 Level) ●●●●○
- French (B1 Level) ●●○○○

### Programming Experience

- Python ●●●●●
- Linux ●●●●○
- HTML / CSS ●●●●○
- C++ ●●●●○
- SQL ●●●○○
- JavaScript / React.js ●●●○○
- Java ●●○○○

Working student Mercedes Benz AG

03/2017 – 03/2020

- Assessing and Implementing various Machine Learning and Deep Learning Concepts in the sphere of manufacturing Infrastructure
- Organizing and Maintaining an high-end IT cluster for Machine Learning purposes
- Transferring local Machine Learning algorithms onto the cloud environment *Microsoft Azure*
- Implementing different show cases to proof the usability of neural networks in the sphere of image processing and image analysis

## VOLUNTEER WORK

Studentischer Automobilverband e.V.

since 11/2016

- Co-founder of initiative's Stuttgart branch
- Supporting the Development of Stuttgart's local college group
- Organizing events with the SAV's cooperation partners

TSV Merklingen 1901 e.V.

03/2011 – 12/2019

- Operating as football referee for U8 and U6 tournaments
- Helping the catering of events
- Preparing and Post processing of events and game days
- Voluntary collecting of waste paper for the club

European elections

05/2014

- Assessor at electoral counting

## PERSONAL INTERESTS

Sports (Football, Volleyball, Running, Swimming), Cars, Robotics, Coding

Spark



Microsoft Azure



Microsoft ADLS



Microsoft DataBricks



Microsoft WebApps



PyTorch



Flask



Tensorflow



Django

