

# Alexander Christoph

Master of Science,  
Electrical and Computer Engineering



## PROFESSIONAL CAREER

Vestigas GmbH

since 06/2022

- Freelancer 06/2022 - 09/2023, fulltime since 10/2023
- Backend development in the area of invoice verification
- Implementation of new endpoints in existing API
- Development of new features inside the whole backend pipeline

Master's intern MVTec Software GmbH

11/2022 - 07/2023

- Anomaly detection in the sphere of industrial machine vision
- Development of new classification selection algorithms
- Enhancement of existing classification selection algorithms

Working student Siemens AG

04/2020 - 09/2022

- 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

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



17. December 1996



Munich



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Portfolio



Github



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## Languages

German



English (C1 Level)



French (B1 Level)



## Programming

Python



Linux



HTML / CSS



C++



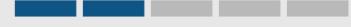
SQL



Javascript / React.js



Java



## ACADEMIC CAREER

Master's degree TU Munich	04/2020 - 08/2023
<ul style="list-style-type: none"><li>• Electrical and Computer Engineering (M. Sc.)</li><li>• Final grade 1.2</li><li>• Focus: Renewable Energies, Machine Learning, Data Science</li></ul>	
Exchange semester TU Vienna	10/2021 - 01/2022
<ul style="list-style-type: none"><li>• Computer Science and Engineering (M.Sc.)</li><li>• Final grade 1.2</li><li>• Focus: C++, Python, Machine Learning, Data Science</li></ul>	
Bachelor's degree University of Stuttgart	10/2015 - 10/2019
<ul style="list-style-type: none"><li>• Electrical and Computer Engineering (B. Sc.)</li><li>• Final grade 2.3</li><li>• Focus: Automation and Control Engineering</li><li>• Promoted by <i>Deutschlandstipendium</i> (08/2016-04/2017)</li></ul>	

## SCHOOL EDUCATION

Johannes-Kepler-Gymnasium Weil der Stadt	09/2007 - 06/2015
<ul style="list-style-type: none"><li>• Allgemeine Hochschulreife</li><li>• Final grade 1.7</li><li>• Participation in Robotics working group (09/2009-06/2015)<ul style="list-style-type: none"><li>– Construction and programming of rescue and soccer robots</li><li>– Participation and win at regional competition in Weil der Stadt (12/2009, 12/2011, 12/2014 + 12/2015)</li><li>– Participation and win at qualification event in St. Augustin (02/2013, 02/2014 + 02/2015)</li><li>– Participation at German Open in Magdeburg (04/2010, 04/2014 + 04/2015)</li></ul></li></ul>	

## VOLUNTEER WORK

Studentischer Automobilverband e.V.	since 11/2016
<ul style="list-style-type: none"><li>• Co-founder of initiative's Stuttgart branch</li><li>• Supporting the Development of Stuttgart's local college group</li><li>• Organizing events with the SAV's cooperation partners</li></ul>	
TSV Merklingen 1901 e.V.	03/2011 - 12/2019
<ul style="list-style-type: none"><li>• Operating as football referee for U8 and U6 tournaments</li><li>• Helping the catering of events</li><li>• Preparing and Post processing of events and game days</li><li>• Voluntary collecting of waste paper for the club</li></ul>	
European elections	05/2014
<ul style="list-style-type: none"><li>• Assessor at electoral counting</li></ul>	

## Data Science

