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

✉ Munich

Languages ———

German
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English (C1 Level)
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French (B1 Level)
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Programming ———
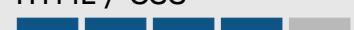
Python
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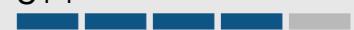
Linux
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HTML / CSS
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C++
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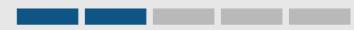
SQL
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Javascript / React.js
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Java
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ACADEMIC CAREER

Master's degree TU Munich   04/2020 - 08/2023
- Electrical and Computer Engineering (M. Sc.)
- Final grade 1.2
- Focus: Renewable Energies, Machine Learning, Data Science

Exchange semester TU Vienna   10/2021 - 01/2022
- Computer Science and Engineering (M.Sc.)
- Final grade 1.2
- Focus: C++, Python, Machine Learning, Data Science

Bachelor's degree University of Stuttgart   10/2015 - 10/2019
- Electrical and Computer Engineering (B. Sc.)
- Final grade 2.3
- Focus: Automation and Control Engineering
- Promoted by *Deutschlandstipendium* (08/2016-04/2017)

SCHOOL EDUCATION

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

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

Data Science ——

FastAPI

Docker

Spark

Microsoft Azure

Microsoft ADLS

Microsoft DataBricks

Microsoft WebApps

Pytorch

Flask

Tensorflow

Django