

Curriculum Vitae

Personal information

name Tobias Alexander Baumgartner
birthdate 15. August 1993
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Education

2020 – (2022) Master studies in **Data Science and Engineering**, University of Applied Sciences in Hagenberg, Upper Austria

2017 – 2020 Bachelor studies in **Bioinformatics**, University of Applied Sciences in Hagenberg, Upper Austria
Thesis: Object Detection with Deep Learning - You Only Look Once v3

2014 – 2017: Bachelor studies in Mechatronics, Johannes Kepler University in Linz

2012 – 2013: Military service as a paramedic in Austria

2007 – 2012: Vocational High School for Technology, Vöcklabruck, Upper Austria

Work Experience

date March 2020 – August 2020
job title Research intern, full time
employer **University of California, San Diego**
occupation Developing data processing scripts for medical data sources (Python)
Developing algorithms for a comprehensive drug-target binding network
Calculating and visualizing the network (Python, Javascript)

date July 2019 – November 2019
job title Software development engineer, part time
employer **PKE Holding AG**
occupation Developing software for security surveillance systems (C++, Python, Java)
Researching new software interfaces for new products

date October 2019 – February 2020
job title Relational Databases and SQL Tutor, part time
employer **University of Applied Sciences – Hagenberg**
occupation Reviewing the code assignments of students (SQL, UML)
Coaching students to improve db-statements and db-architecture

date October 2018 – July 2019
job title Basics and Advanced Algorithm and Datastructures Tutor, part time
employer **University of Applied Sciences – Hagenberg**
occupation Reviewing the code assignments of students (C++)
Coaching students to improve code-style and code-efficiency

date April 2013 – August 2014
job title Development- and project engineer, full time
employer **Promot Automation GmbH**
occupation Designing (CAD) of machine automation for machine tools
Developing new products for the company product line
Providing technical information of products for potential customers

Volunteer Work

date June 2017 – present
job title Vice-National Coach Badminton Upper Austria
association **Upper Austrian Badminton Association**
occupation Leading youth training of potential new squad members (age 8 - 14)
Providing video analysis and personal coaching on tournaments
Assisting the upper Austrian adult squad training

Information skills

Advanced C++, C#, Python, Java
Basics HTML, JavaScript, PHP, Matlab, Mathematica, R
Dev. Environment Visual Studio, JetBrains, Eclipse
Databases SQL, MySQL, MongoDB, PostgreSQL
Operating Systems Windows, Linux

Interests & Hobbies

Badminton (National league player)
Tennis
Travel (Europe, Asia, Australia, America)

References

University FH-Prof. PD DI Dr. Stephan Winkler
stephan.winkler@fh-hagenberg.at
Volunteer Work Mag. Stephan Dlapka
stephandlapka@gmail.com