

Manuel Zahn

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RESEARCH

HARVARD UNIVERSITY | Visiting Researcher

Harvard Biorobotics Lab | Nov 2018 – May 2019 | Cambridge, MA

- Using Deep Learning for segmentation and classification of structural heart diseases based on ultrasonic images

STANFORD UNIVERSITY | Visiting Researcher

Department of Computer Science, Stanford Robotics Lab | Jan - Jun 2017 | Stanford, CA

- Developing an underwater hand gesture recognition using Python and OpenCV

EDUCATION

TECHNICAL UNIVERSITY OF MUNICH | MS in Electrical Engineering

Machine Learning and Robotics | Oct 2017 - Mar 2019 | Munich, Germany

CENTER FOR DIGITAL TECHNOLOGY AND MANAGEMENT (CDTM)

Honours Degree in Technology Management | Nov 2017 – Jul 2018 | Munich, Germany

TECHNICAL UNIVERSITY OF MUNICH | MS in Management

Innovation and Entrepreneurship | Oct 2017 – Oct 2018 | Munich, Germany

NANYANG TECHNOLOGICAL UNIVERSITY | Exchange Student

Electrical and Electronic Engineering | Jul 2014 - Dec 2014 | Singapore

Focus on AI and Data Mining, supported by a scholarship of the Eikon e.V.

TECHNICAL UNIVERSITY OF MUNICH | BS in Electrical Engineering

Embedded Systems and Sensor Technology | Oct 2012 - Jun 2015 | Munich, Germany

EXPERIENCE

VIDEAHEALTH | Machine Learning Engineer

Sep 2019 - Present | Boston, USA | Development of deep learning models for the detection of cavities in dental X-Rays, data processing, image normalization

FRAMOS | Product Development Consultant

Oct 2017 - Feb 2018 | Munich, Germany | Building a prototype of 3D-enabled glasses and a haptic feedback wristband for blind people, based on a new Intel 3D camera

MAGAZINO GMBH | Intern Development

Nov 2016 - Dec 2016 | Munich, Germany | Development of a production test bench, PCB-design, Python programming, development of an intelligent sorting algorithm

SOUNDSETTER GBR | Co-Founder

Apr 2015 – Oct 2016 | Munich, Germany | Soundsetter is an early-stage audio technology startup that develops headphones that can also be used as speakers. By simply folding up the headphones the user is able to share your music at any time.

BMW GROUP | Intern Industry 4.0

Aug 2015 – Sep 2015 | Munich, Germany | Accuracy specification of 3D Laser scanners as planning tool for BMW production halls

HONARY POSTS

STANFORD DIGITAL SHAPERS | Co-Founder | Stanford club that aims to increase

awareness of the impacts of technology on society by organizing events and discussions

STUDENT ASSOCIATION | Editor of the student newspaper “Trafo” of the Technical University of Munich and voluntary work at the student association

MEET2LEARN | Mentor and homework tutor of the “meet2learn” program by helping younger students with their homework every Friday after school

LANGUAGES

SPOKEN & WRITTEN

Native fluency:

English, German

Limited proficiency:

Chinese, French

PROGRAMMING

Advanced:

Python, C, R, Matlab

Basic knowledge:

C++, HTML, PHP, Pascal,

Arduino, TeX

ACHIEVEMENTS

THINK.MAKE.START:

Winner of the 2018 start-up competition of the Technical University of Munich

5 EURO STARTUP:

Winner of the 2015 start-up competition of the University of Munich (LMU)

ADVEISOR:

2nd place at the robotic competition of the Technical University of Munich 2013

ROBO SOCCER:

2nd and 3rd at national student robotic competition, 2nd at world championship 2011 in Istanbul, Turkey

“JUGEND FORSCHT”:

Winner of prestigious German high school science competition 2010

MATHEMATICS:

2nd price at the national “Känguru” student mathematic challenge 2010

SCHOLARSHIPS

SDW: Selected as scholar of the Foundation of German Business (sdw) in 2015

BAVARIAN ELITEACADEMY:

Member of the 16th year class of the prestigious Bavarian EliteAcademy in 2014