## **Philip Neugebauer**

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B.Sc. in CS,	University Munich (TUM)  Minor: Electrical Engineering and Information Technology  Specialization areas: Computer Vision, Machine Learning, Robotics	Munich, Germany Oct. 2017 - ongoing
Carnegie Mellon University (CMU) Visiting Researcher		Distalant LICA
		Pittsburgh, USA Nov. 2022 - Apr. 2023
Awards and Honors		
		TIG I
2022 - 2023	Scholarship: Grant for international research by DAAD (German Academic Exchange Service)	USA
2022	Hackathon: Finalist at HackZurich among 500+ participants	Switzerland
2022	Game jam: 2 <sup>nd</sup> Price + Award "Best Technical Implementation" at the Semester Game jam at TU	•
2021 2021	Hackathon: 1st Place for a challenge at HackaTUM	Germany
2021 - 2021	Scholarship: Grant for a research Internship abroad by DAAD (German Academic Exchange Se	
2021	Hackathon: 1st Place for a challenge at HackCMU	USA
2016	Music Competition: 1st Prize at Jugend Musiziert (federal level)	Germany
2015	Music Competition: 1st Prize at European Competition for Young Soloists	Luxemburg
2012	<b>Music Competition</b> : 1st Prize, Solo + Chamber Music, at Val Tidone Young Talent Competition	Italy
Experie Visiting P	esearcher at NavLab at Carnegie Mellon University	Dittahanah IIC
_	uptation by Revisiting Static Objects with a Transit Bus"	Pittsburgh, USA
	for Motion · Colmap · Computer Vision · Deep Learning · Python	Nov. 2022 - Apr. 2023
AI Engine	er (Working Student) at Fugro	Remot
Cloud based detection and classification of marine mammal sounds using a neural network on time series data		Sep. 2022 - Nov. 2022
	nd <b>Agile Coach</b> of a group of 4	•
	s Analysis · Cloud Computing · Computer Vision · PyTorch · Python	
AI Engineer at Digital Product School by UnternehmerTUM		Munich, German
Developed a l	hybrid VR conferencing solution using user-centered, lean and agile methods	May 2022 - Jul. 2022
• Virtual Re	ality · Web Development · Interdisciplinary Collaboration	
Research	Intern at NavLab at Carnegie Mellon University 🗘	Pittsburgh, USA
-	ction by tracking people entering or leaving a bus, using cameras mounted on the bus	Aug. 2021 - Oct. 2021
	· Computer Vision · Deep Learning · Artificial Intelligence · Python	
	esearch Assistant at the Max-Planck-Institute for Iron Research	Düsseldorf, Germany
	y Visualization of Molecular Dynamics Simulations of 3D Atom Trajectories ality · C# · Unity · Python	Jul. 2017 - Oct. 202
U	Projects Vehicle Communication	Practical Course at FORTISS
	work to let devices communicate, showcased with a Raspberry Pi controlled car	Oct. 2020 - May 2022
	OS · C++ · Embedded Systems · Telecommunication · Jira	Oct. 2020 - Way 2022
	tion of a Humanoid Robot with a Virtual Reality (VR) Headset 🗞	Practical course at Devanthro
	e User Interface and integrated data transfer for operating the robot Roboy remotely in VR	Oct. 2019 - Mar. 2021
	nd Agile Coach of a group of 3 during the second semester  ality · Unity · C# · ROS · Python · Telecommunication · Android	
Face Reco	enstruction 🗘	Course at TUM
	el Reconstruction from a single 2D image and expression transfer between 2 images	May Aug. 2021
• C++ · Com	puter Vision · OpenCV · Deep Learning · Eigen · Ceres	
	eal Skills	

**Software Development Tools** Git, Unity, PyTorch, ROS/ROS2, Detectron2, Docker, Android Studio, React **Languages** German, English