

Berna Kabadayı

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RESEARCH INTEREST	3D Computer Vision, Deep Geometry Learning, 3D Reconstruction & Tracking	
EDUCATION	Technical University of Munich	Oct 2018 - Sept 2021
	M.Sc., Computer Science, Advisor: Angela Dai	Munich, Germany
	“Learning to Reconstruct 3D Objects by Part-based Template Deformation”	
	Middle East Technical University	Sep 2013 - Jun 2017
	B.Sc., Computer Engineering	Ankara, Turkey
	ETH Zurich	Jul 2016 - Sep 2016
	Visiting Student	Zurich, Switzerland
RESEARCH EXPERIENCE	Summer Geometry Institute, MIT	Jul 2021 - Aug 2021
	<i>SGI Fellow</i>	
	<ul style="list-style-type: none">• I involved in 3D Shape Correspondence via Probabilistic Synchronization of Functional Maps, Reconstructing Moon in 3D from World’s Photos, Normal Estimation projects. sgi.mit.edu	
	Amazon Inc. , Berlin, Germany	Aug 2020 - Nov 2020
	<i>Intern, Applied Science, Computer Vision</i>	
	<ul style="list-style-type: none">• K-NN image retrieval implementation using Elasticsearch and Flask• Deployed CI/CD pipeline for CV Team (Manager: Michael Donoser)	
	Visual Computing Lab, TUM	Apr 2020 - Sept 2020
	<i>IDP Student</i>	
	<ul style="list-style-type: none">• Metric Learning on Joint Embedding of 3D Scan and CAD Objects• Advisor: Angela Dai	
	ETH Zurich Computer Vision Lab , Zurich, Switzerland	Jul 2016 - Sep 2016
	<i>Research Intern</i>	
	<ul style="list-style-type: none">• Developed segmentation evaluation plugin using C++, QT and MITK.	
TEACHING EXPERIENCE	Technical University of Munich	Apr 2021 - Sept 2021
	<i>Student Teaching Assistant</i>	
	<ul style="list-style-type: none">• Introduction to Deep Learning (IN2346), ~ 1.2k students• Grading exams, answering questions on Piazza, updating tutorials• Instructor: Matthias Nießner	
HONORS AND AWARDS	Summer Geometry Institute Fellow 2021 - MIT	
	Grace Hopper Celebration Women in Computing 2020 - TUM IFF grant	
	ICML 2020, ISMAR 2020 Volunteer Student - Conference grant	
	4th place Senior Project Competition, BMO Special Award	
	Haci Omer Sabanci Foundation Scholarship	2012 - 2017
	TUBITAK Chemistry Olympiad Student	2010 - 2012
	Honor standing in Fall 2016, High honor standing in Spring 2016	

INDUSTRY EXPERIENCE

Amazon Inc., Berlin, Germany Sep 2019 - Nov 2019
SDE Intern, AWS Resource Groups

- Developed opsbot that assists oncall process in root causing and decision making in case of an alarm using AWS Services like SNS, SQS, CloudFormation, Lambda.

Seven Bridges Genomics Inc., Ankara, Turkey Jul 2017 - Sep 2018
R & D Engineer, The Graph Genome Team

- Developed Variant Annotator in C++. It combines raw variants with the statistical tests.

SRDC, Ankara, Turkey Nov 2015 - Jun 2016
Part-time Software Developer

COMPUTER SKILLS C++, Python, Deep Learning (PyTorch)