

Arslan Chaudhry

Contact Information

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Experience

Research Scientist, Google DeepMind

April 2021 - Present

- *Team*: Adaptive and Reliability Team (ART)
- *Focus Areas*: Multimodal Foundation Models, Continual-, Meta-, Transfer-learning

Research Intern, Google Research

June 2020 - September 2020

- *Hosts*: Srikumar Ramalingam, Andreas Veit
- *Project*: Mixup regularization for dataset efficiency

Research Intern, Facebook AI

June 2019 - September 2019

- *Hosts*: Albert Gordo, David Lopez-Paz
- *Project*: Experience Replay for Continual Learning

Research Intern, Facebook AI Research

June 2018 - February 2019

- *Hosts*: Mohamed Elhoseiny, Marcus Rohrbach, Marc'aurelio Ranzato
- *Project*: Efficient Lifelong Learning.

Software Developer, Mentor Graphics

June 2013 - Aug 2016

- Developed a Virtual Machine Monitor (VMM)/ Hypervisor for ARM and Intel platforms.
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Education

PhD, University of Oxford, United Kingdom

Oct 2016 - December 2020

- **Rhodes Scholarship**
- **Area**: Machine Learning and Computer Vision
- **Advisor**: Philip H.S. Torr
- **Thesis**: Continual Learning for Efficient Machine Learning

BSc, University of Engineering & Technology, Lahore

Sep 2009 - Aug 2013

- **Area**: Electrical Engineering
- **CGPA**: 3.95/4.0 (Rank: 1/ 400+; Medalist)
- **Thesis**: Load balancing of compute intensive applications on Beowulf clusters

Publications	Google Scholar [https://scholar.google.co.uk/citations?user=F08vjQMAAAAJ&hl]	
Teaching	Tutorials, Machine Learning , Hilary 2020, Trinity 2018, Stanford House (Oxford) Tutorials, Networking , Trinity [2018, 2019] University of Oxford Tutorials, Operating Systems , Hilary [2018, 2019], University of Oxford Lab, Software Engineering , Hilary [2017, 2018, 2019], University of Oxford Teaching Assistant, Operating Systems , Spring 2013, UET, Lahore	
Talks	<ul style="list-style-type: none"> • CVPR'23, On Forward Transfer in ML Development Cycle, June 2023. • KAUST, Continual Learning in Deep Neural Networks, July 2020 • Google Research, Continual Learning in Deep Neural Networks, July 2020 • Google DeepMind, Continual Learning in Deep Neural Networks, April 2020 • UET Lahore, Machine Learning Introduction, December 2017 	
Computing Expertise	Languages:	Python, C
	Programming Paradigms:	Linux Kernel and Driver Development, Parallel Programming, CUDA Programming
	Machine Learning Frameworks:	Jax, Tensorflow
	Embedded Systems:	ARM TrustZone, Intel's VT-d and VT-x
Awards Grants Fellowships	Amazon Research Award, 2019-2020 NeurIPS Travel Award, 2019 ICLR Travel Award, 2018 Murray Speight Grant, Rhodes House, 2018 Rhodes Scholar, 2016 Performance Excellence Award, Virtualization Team, Mentor Graphics ESD, 2015 Topper and Gold medalist of Electrical Engineering Department, UET Lahore, 2013 Deans Honors List, UET Lahore, 2009-2013 Nominated for IEEE Region 10 executive comity by IEEE Lahore Section, 2013 Obtained third position in BLOSSOM held by MIT officials at PYF, 2012 Winner of Race to Innovation in Pakistan Student Congress, 2012 Obtained third position in Pakistan in IEEE Xtreme Programming Competition, 2012 PCS scholarship recipient worth PKR 113980, 2007-2009	
Service	Reviewer for ICML [19-23], NeurIPS [19-22], ICLR [21-22], AISTATS[22], CVPR [19-20], ECCV[20], ICCV [19], CoLLas [22-23] Reviewer for TPAMI, JMLR, IEEE Transaction on Multimedia	