MEHMET KEREM TURKCAN

♦ Columbia University, New York, NY

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SUMMARY

Postdoctoral researcher at Columbia University with research and teaching experience in deep learning and computational neuroscience seeking career opportunities. Eager to apply my scientific and computational skills to challenging unsolved problems.

Nov 2022 – Present

EXPERIENCE

Postdoctoral Research Scientist	
- Managed research projects on building digital twins of New York City street intersections using stavision and deep learning approaches, presenting two posters and publishing a conference paper	te-of-the-art computer
 Mentored 11 Master's students in various research projects, resulting in two publications current Applied state-of-the-art deep learning models to robotic surgeries in a collaboration with surgeon which resulted in a journal publication and a conference talk 	
Columbia University, New York, NY Lecturer	Jan 2023 – Dec 2023
- Taught two full semester courses: ECBM E4040: Deep Learning&Neural Networks (82 Studer Advanced Deep Learning (41 Students), preparing lectures, course material and assignments	nts) and EECS E6691:
♦ Columbia University, New York, NY Graduate Research Assistant	Jan 2017 – Oct 2022
- Published research on application of machine learning techniques and development of massive r for nanometer-scale neuroscience datasets in two peer-reviewed scholarly journal articles and pres at four conferences	
 Gave research talks in Princeton University, UC Davis and Max Planck Institute for Biological Managed and mentored seven undergraduate researchers as part of open source code developm research 	-
 Columbia University, New York, NY Course/Teaching Assistant 	Sep $2017 - Jun 2018$
- Designed interactive lecture notebooks and assignments for courses on deep learning and compu EDUCATION	tational neuroscience
♦ Columbia University, New York, NY	Oct 2022
- Ph.D. in Electrical Engineering	
- Cumulative GPA: 4.10/4.33	
- <i>Relevant Coursework</i> : Foundations of Graphical Models, Autonomous Multi-Agent Systems, S and High-Dimensional Geometry, Neural Control Engineering	Sparse Representation
♦ Columbia University, New York, NY	Dec 2016
- M.Sc. in Computer Science, Machine Learning/Thesis Track	
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 Cumulative GPA: 3.97/4.33 Relevant Coursework: Advanced Machine Learning, Bayesian Methods in Machine Learning, Deep Learning, Computer Graphics, Programming Languages and Translators, Analysis of Alg Istanbul Technical University, Turkey 	orithms I
 Cumulative GPA: 3.97/4.33 Relevant Coursework: Advanced Machine Learning, Bayesian Methods in Machine Learning, Deep Learning, Computer Graphics, Programming Languages and Translators, Analysis of Alg Istanbul Technical University, Turkey B.Sc. in Electronics and Communication Engineering 	orithms I Jun 2015
 Cumulative GPA: 3.97/4.33 Relevant Coursework: Advanced Machine Learning, Bayesian Methods in Machine Learning, Deep Learning, Computer Graphics, Programming Languages and Translators, Analysis of Alg Istanbul Technical University, Turkey B.Sc. in Electronics and Communication Engineering Cumulative GPA: 3.75/4.00 Relevant Coursework: Image Processing, Wireless Communication Networks, Data Communication 	orithms I Jun 2015
 Cumulative GPA: 3.97/4.33 Relevant Coursework: Advanced Machine Learning, Bayesian Methods in Machine Learning, Deep Learning, Computer Graphics, Programming Languages and Translators, Analysis of Alg Istanbul Technical University, Turkey B.Sc. in Electronics and Communication Engineering Cumulative GPA: 3.75/4.00 Relevant Coursework: Image Processing, Wireless Communication Networks, Data Communications 	orithms I Jun 2015 cations, Digital Signal
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SKILLS

- ♦ **Programming Languages:** Python, C/C++, MATLAB, OpenGL, Typescript, Javascript, HTML, CSS
- $\diamond~$ Libraries/Platforms: CUDA, TensorFlow, Jax, PyTorch, Unreal Engine
- ♦ Design Software: LaTeX, Photoshop, Illustrator, InDesign