Aman Timalsina

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Areas of specialisation

Machine Learning and Information Retrieval

Professional Experience

Present	RESEARCH ASSISTANT, Purdue University.
2021-2022	RESEARCH ASSISTANT, SUNY Research Foundation.
2021-2022	TEACHING ASSISTANT, Department of Computer Science & Engineering, Department of Mathematics, University at Buffalo.
2020-2021	ACADEMIC TUTOR, Tutoring and Academic Support Services, University at Buffalo.
2018-2020	STUDENT ASSISTANT, CIT ITCS Field Services, University at Buffalo.
2017-2018	SYSTEM AND NETWORK INTERN, Open Learning Exchange, Nepal.

Education

Present	PH.D. in Computer Science, Purdue University (Advisor: Prof. Tamal K. Dey).
2022	B.A. in Computer Science and Mathematics, *Summa Cum Laude*, University at Buffalo.

Publications & talks

JOURNAL ARTICLES

2022	Aman Timalsina and Matthew G. Knepley, "Tetrahedralization of a Hexahedral Complex", *arXiv preprint arXiv:2206.12037*, 2022. Submitted.
2022	Albert Gu, Isys Johnson, Aman Timalsina, Atri Rudra, and Christopher Ré. "How to train your HiPPO: State space models with generalized orthogonal basis projections." *arXiv preprint arXiv:2206.12037*, 2022. Submitted.

TECHNICAL PRESENTATION

2021	Aman Timalsina, "Using Gompertz Functions to Reduce the Runtime Complexity of an Agent-Based Epidemic Model", *Rose-Hulman Undergraduate Math Conference*, 2021. Submitted.

Academic honours & awards

2022	Elected to *Phi Beta Kappa*.
2021	Hazel and John Wilson Scholarship Fund in Mathematics.
2021	College of Arts and Science Experiential Learning Scholarship.
2020	School of Engineering and Applied Science Fellowship.
2018	International Excelsior Scholarship, University at Buffalo.
2017	LAC Math Olympiad: 1st place, nation-wise Mathematics Olympiad.

Teaching

2022-2022	Teaching Assistant for CSE 331: Algorithms and Complexity, University at Buffalo.
2021-2022	Teaching Assistant for MTH 141: Calculus I, University at Buffalo.

Last updated: August 20, 2022