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OBJECTIVE	Results-oriented college graduate with a background in performing scientific research interested in gaining an internship position as a Deep Learner	
EDUCATION	University of Michigan, Ann Arbor, USA	Exp. 2020
	M.S. in Computer Science Department of Computer Science and Engineering Relevant Coursework: Advanced Artificial Intelligence, Deep Learning, Advanced Data Mining, Database Management Systems	
	Purdue University, USA	May 2018
	B.S. in Computer Engineering Dean's list (All Semesters), 3.72 / 4	
INTERNATIONAL EDUCATION EXPERIENCE	National University of Singapore, Singapore	Aug 2017 - Dec 2017
	Semester Exchange Program Department of Electrical and Computer Engineering	
TECHNO-COMMERCIAL SKILLS	Advanced Mathematics And Statistical Proficiency:	
	Advanced Calculus, Linear Algebra, Verification Forecasting, Advanced Regression Analysis, Exploratory Data Analysis, Significance Testing	
	Linux Proficiency:	
	Shell Scripting, Parallel Processing, Big Data Management and Analysis	
	Programming:	
	Advanced: Python, C, HTML	
	Intermediate: SQL, CSS, C++, Assembly, System Verilog	
	Intro: Java, C#, R	
	IDE/Text Editors:	
	MATLAB, PyCharm, IntelliJ IDEA, Xamarin, Sublime Text, Atom, Notepad++, Brackets Mentor GRAPHICS Questa Sim, Keil MDK 4, Xilinx Vivado 2015.2, Eagle CAD	
WORK EXPERIENCE	Undergraduate Research Assistant	Jan 2018 - May 2018
	Water Resources And Ecohydrologic Engineering Group	
	Purdue University, West Lafayette, IN	
	<ul style="list-style-type: none"> Designed, programmed and implemented a system to evaluate the impact of changing climate on hydro-climatology and nutrient loadings in watersheds of Lake Erie Implemented different data analysis and visualization methods in Python Automated scripts for parallel runs on university clusters Completed 6 months of expected work in 4 months and co-authored the resulting manuscript 	
	Undergraduate Teaching Assistant	Jan 2018 - May 2018
	Electronic Devices And Design Laboratory	
	Purdue University, West Lafayette, IN	
	<ul style="list-style-type: none"> Provided assistance to students in laboratory exercises and experiments Supervised 24 students at a time to ensure their adherence to appropriate laboratory safety procedures and techniques Planned lessons and assignments, led discussion sections, graded labs and quizzes 	

RESEARCH EXPERIENCE	Graduate Research Assistant University of Michigan, Ann Arbor, MI <ul style="list-style-type: none"> Analyze the development, coordination, and success for social movements of varying scales under different data collection and labeling schemes Propose and develop methods for optimizing data collection strategies for Twitter Model determinants of protest participation and movement success using curated data Create unit test framework for the system 	Oct 2018 - Present
	Undergraduate Research Fellow Purdue University, West Lafayette, IN <ul style="list-style-type: none"> Co-ordinated with Prof. Margaret Gitau to create WQUICK (Water Quality Index Calculator), an application that calculates and presents a visual analysis of Water Quality Index data Applied regression techniques to find the relation of water quality indices over time Reduced runtime of the application by 6 times through vectorization of data Created and maintained documentation for the application 	May 2017 - Aug 2017
PUBLICATIONS	Peer Reviewed Manuscripts/Articles: <ul style="list-style-type: none"> Mehan, S., Aggarwal, R., Gitau, M.W.*, Flanagan, D.C., Wallace, C., and Frankenberger, J. (2019). Assessment of hydrology and nutrient losses in a changing climate in a subsurface-drained watershed. Science of the Total Environment. (under review) 	
VOLUNTEER EXPERIENCE	Clear Lung Project (M-Heal) University Of Michigan, Ann Arbor, MI <ul style="list-style-type: none"> Analyze large sensor datasets to understand how gait changes in Parkinson's disease patients Create machine learning models with Python and scikit-learn to predict the likelihood of Parkinson's disease Replicate code to predict Pneumonia in children 	Sept 2018 - Present
	Design Lead Engineering Projects In Community Service, Camp Riley Team Purdue University, West Lafayette, IN <ul style="list-style-type: none"> Chaired a team of 7 to deliver a sailboat to be used at Camp Riley, IN by children with disabilities to enhance their learning experience Worked on proper mounting of the motor to minimize the probability of injuries Improved my knowledge of systems and signals and their real-life applications 	Jan 2016 - May 2016
AWARDS AND HONORS	Undergraduate Scholarships: <ul style="list-style-type: none"> Summer Undergraduate Research Fellowship Eli Shay Electrical Engineering Scholarship Walter V. Jones Memorial Scholarship Charles W. Brown ECE Scholarship 	2017 2017 2016 2015