Yash Kapoor

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Education	(202) 320-7342	<u>шкеаш.сопушукароог-уазпу</u>	<u>yası ikaps.ğiii iob.io/</u>
Expected Graduation:	University of Maryland, College Park		
May 2022	University Honors, Dean's List (S20, F20)		
	B.S., Computer Engineering Minor, Mathematics		
	GPA: 3.7/4.00		
Work Experience			
Jan 2021 – Present	Teaching Assistant		
	 University of Maryland, College Park – A. James Clark School of Engineering Assisted students in understanding a variety of topics such as circuits, wireless communication, signal processing and computer vision Supervised two 2-hour lab sessions and office hours weekly to provide hand-on experience with relevant technologies 		
May 2021 – Aug 2021	Research Assistant		
	University of Maryland, College Park – A. James Clark School of Engineering • Team leader of a small team of undergraduate and graduate students		
	 Utilized existing resources to develop a low-cost system for swarm technology that uses an external camera to identify and autonomously guide agents (drones) to be used for humanitarian acts such as disaster relief 		
	 Developed algorithms to estimate 4 connected to a PiCamera (on a 	flight parameters of the drones and r supervisor drone)	an them on a Raspberry Pi
Dec 2020 - May 2021	Backend Web Developer		
	 CORA – Combating Overdoses in Ruro Used Node.js and Express.js to creand a MongoDB database Applied Python libraries such as Reenrich our database 	ate an API to facilitate communication	
Oct 2020 – May 2021	Frontend Web Developer		
001 2020 - May 2021	WMUC Radio		
		to build an interactive and engaging tion licensed to the University of Maryl	
Aug 2020 - Sep 2020	Frontend Web Developer		aa
	The Hare		
	 Utilized Vue.js with Bootstrap-Vue 	to revamp UI for news website with 20	00+ visitors per month
Aug 2019 – March 2020	STEM Tutor		
(Discontinued due to COVID-19)	 University of Maryland, College Park – College of Computer, Mathematical and Natural Sciences Spearheaded group tutoring sessions for Computer Science and Mathematics classes to help students struggling in areas like object-oriented programming, data structures, and linear algebra 		
Projects (More projects o	t <u>GitHub.com/Yashkaps</u>)		
	Game with AI		Personal Project
	 Implemented the popular board PyGame and NumPy libraries 	game Connect-4 for single and 2 play	er modes using Python's
	•	iMax Algorithm with depths of 2 (Easy), 3 (Hard) or 4 (Hell)
COVID-19 Cases and Youth Population Relationship Person			Personal Project
	 Used various Python libraries such as Pandas, Requests, Matplotlib, and SciKit-Learn to determine the relationship between rising COVID-19 cases and the youth population in counties all over the US 		
	Email Retrieval with Automa	ted Link Navigation	Personal Project
	•	va to retrieve emails and automatical	y searching for links to
Skills	accomplish predetermined tasks		
OVIIIO			
	Proficient:	<u>Familiar:</u>	

Python (Pandas, Matplotlib, SQLite), JavaScript

(React.js, Node.js, Express, Bootstrap), HTML/CSS, MATLAB, Java, C++, SQL, MongoDB, Git

Python (Seaborn, TKinter, PyGame), JavaScript

(Vue.js), C, Ruby, OCaml, Arduino, Android

Development, Assembly