Yash Kapoor

Email: <u>ykapoor@umd.edu</u> Education	Phone: (202) 320-9542	LinkedIn: linkedin.com/in/kapoor-yash/	Website: yashkaps.github.io/
Expected Graduation:	University of Maryland, College Park		
May 2022	University Honors, Dean's List (\$20, F20)		
	B.S., Computer Engineering Minor, Mathematics GPA: 3.6/4.00		
Work Experience			
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 flight parameters of the drones and ran them on a Raspberry Pi 4 connected to a PiCamera (on a supervisor drone) 		
Jan 2021 – May 2021	 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 		
Dec 2020 – May 2021	and a MongoDB database	ural Areas create an API to facilitate communicati Requests, BeautifulSoup4 and Pandas t	
Oct 2020 – May 2021	Frontend Web Developer WMUC Radio Used React.js with React-Bootstn	rap to build an interactive and engagir tation licensed to the University of Mary	•
Aug 2020 - Sep 2020	Frontend Web Developer The Hare Utilized Vue.js with Bootstrap-Vue to revamp UI for news website with 2000+ 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			
	Game with Al		Personal Project
	 PyGame and NumPy libraries Al makes decisions based on Nation Todo List (Fullstack Web A 	ack of tasks using React.js for frontend,	y), 3 (Hard) or 4 (Hell) Personal Project
	Email Retrieval with Auton	nated Link Navigation	Personal Project
Skills	Used Google's Gmail API with accomplish predetermined tas	lava to retrieve emails and automatica ks	lly searching for links to
	Proficient:	Eamiliar:	

<u>Proficient:</u> <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 (React.js), C, Ruby, OCaml, Arduino, Android Development, Assembly