# Vach Kanoor

rasn kapoor			
	Email: ykapoor@umd.edu	Phone: (202) 320-9542	
Education			
<b>Graduation:</b> December 2021	University of Maryland, Colleg	e Park, MD	
	University Honors, Dean's List		
	Bachelor of Science, Computer Engineering with Minor in Mathematics		
	Computer Engineering GPA: 3.4		
	<del></del> ,	screte Structures, Algorithms, Organization of Progra ence, Signal Analysis, Circuits, Digital Logic Design ora, Number Theory, Advanced Calculus	mming
Skills		,	
	Languages: Java, Python, C/C++, JavaScript, HTML/CSS, Git, Ruby, OCaml, PHP		
	Frameworks: Node.js, React.js, Bootstra	o	
	Software: MATLAB, Android Studio, Proce	essing 3, Arduino	
Projects			
	UMD Table Tennis Club Web A	pp   Personal F	'roject
	management using Native JavaScrip	lay Night League results with an admin page for da of for frontend, and Microsoft Excel files for storing do eek with frequent updates based on user feedback	ata
	Small-C Interpreter	Academi	c Project
	<ul> <li>Used OCaml to develop a lexer, par operations of Small-C</li> </ul>	ser, and interpreter for line-by-line interpretation of s	ome

- Interpreter handles simple mathematical operations as well as logical flow elements such as if-else statements and loops
- Currently supports primitive datatypes and common operations

## Social Media Usage and Perception of Data Distribution | Group Project

- Simulated a social media platform using an Arduino Mega to control 24 (physical) buttons to simultaneously collect and process data, and the Arduino Serial library to communicate data to **Processing 3** for analysis and visualization
- Gained greater insight on data collection and mining and their importance to data science roles

#### Work History

Aug 2019 - March 2020

#### Teaching Assistant

(Discontinued due to COVID-191

University of Maryland - College Park

- Spearheading group tutoring sessions for Computer Science and Mathematics classes to help students struggling in areas such as object-oriented programming, data structures, calculus as well as linear algebra
- Guided at least 15 students per week to increase understanding, identify lagging skills, and correct weaknesses
- Most students displayed better grades over the course of the semester, with an average increase of half a letter grade

Aug 2017 -June 2018

#### Computational Research Intern

George Washington University

- Conducted research, under Dr. Banaudha, regarding gene distribution and expression to ascertain causes of health issues in populations
- Analyzed genetic expressions to understand similarities in social behavior among dogs and humans
- Automated data aggregation to reduce data processing time by 40%

## Additional Info

### Secretary, UMD Table Tennis Club

- Responsible for communication between club members and making important announcements
- Altered club practices to make the clubroom a safe space by highly encouraging members to wear masks as early as half a month before universities went online due to COVID-19
- Managed the club roster and ensured all members fulfilled university-stipulated requirements

#### Member, UMD Archery Club

- Weekly meetings for archers of all skill levels to come together and practice, learn and train for competitions
- Duties included helping inform new archers of proper technique and pick suitable equipment