

Yash Kapoor

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Education

Graduation: May 2022	University of Maryland, College Park, MD University Honors, Dean's List <i>B.S., Computer Engineering Minor, Mathematics</i> GPA: 3.3/4.00 Selected Coursework: <u>Major:</u> Algorithms, Organization of Programming Languages, Databases, Data Science, Signal Analysis, Circuits, Digital Logic Design, Microelectronics, Computer Organization <u>Minor:</u> Multivariable Calculus, Linear Algebra, Number Theory, Advanced Calculus
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Work History

Oct 2020 – Present (New website not live yet)	Frontend Web Developer <i>University of Maryland, College Park – WMUC-FM</i> <ul style="list-style-type: none">Using React.js to build and deploy a new website from scratch for WMUC-FM, a radio station licensed to the University of MarylandUtilizing React-Bootstrap and custom components to customize webpages to create an engaging user interface
Aug 2020	Software Engineering Intern <i>J.P. Morgan Chase</i> <ul style="list-style-type: none">Established financial data feeds and found useful trends through visualization of the dataImplemented triggers to alert client when monitored stocks displayed certain behaviors
Aug 2019 – March 2020 (Discontinued due to COVID-19)	STEM Tutor <i>University of Maryland, College Park – CMNS</i> <ul style="list-style-type: none">Spearheaded group tutoring sessions for Computer Science and Mathematics classes to help students struggling in areas like object-oriented programming, data structures, and linear algebraHelped increase the students' grades by an average of 8% over the semester
Aug 2017 – June 2018	Computational Research Intern <i>George Washington University</i> <ul style="list-style-type: none">Conducted research, under Dr. Banaudha, regarding gene distribution and expression to ascertain causes of health issues in populationsAutomated data aggregation using Python's Pandas library to reduce data processing time by 40%

Projects [\(More projects at github.com/yashkaps\)](https://github.com/yashkaps)

yashkaps.github.io/ttleague	UMD Table Tennis Club Web App Personal Project <ul style="list-style-type: none">Created a webapp to display Thursday Night League results using Native JavaScript for frontend, and CSV files as the databaseImplemented an admin page with user authentication to allow for easy data management
umdhare.com	The Hare at UMD Group Project <ul style="list-style-type: none">Used Vue.js to revamp UI and app interface for news website with 2000+ visitors per monthMade use of Bootstrap-Vue to create and style custom components for rendering webpages Simulation of a Social Media Platform Group Project <ul style="list-style-type: none">Simulated a social media platform using an Arduino Mega to control 24 (physical) buttons to simultaneously collect and process dataUtilized the Arduino Serial library to communicate data to a Python script using the PySerial library, for analysis and visualization via Matplotlib

Skills

Proficient:

Python (*Pandas, Matplotlib, SQLite*), JavaScript (*Node.js, Express, MongoDB, Bootstrap*), HTML/CSS, MATLAB, Java, C++, SQL, Git

Familiar:

Python (*Seaborn, TKinter, PyGame*), JavaScript (*React.js, Vue.js*), C, Ruby, OCaml, Arduino, Android Development, Assembly

Additional Info

Secretary, UMD Table Tennis Club

- Responsible for communication between club members and making important announcements
- Managed the club roster and ensured all members fulfilled university-stipulated requirements