Yash Kapoor

Email: ykapoor@umd.edu **Phone:** (202) 320-9542 **LinkedIn:** linkedin.com/in/kapoor-yash/

Education

Graduation:
May 2022

University of Maryland, College Park, MD

University Honors, Dean's List

B.S., Computer Engineering | Minor, Mathematics

GPA: 3.3/4.00

Selected Coursework:

Major: Algorithms, Organization of Programming Languages, Databases, Intro to Data Science, Signal Analysis, Circuits, Digital Logic Design

Minor: Linear Algebra, Number Theory, Advanced Calculus

Work History

Aug 2020

Software Engineering Intern

J.P. Morgan Chase

- Established financial data feeds to stream live data and visualized the data to find trends and make comparisons
- Used **React.js** to render a live graph of data feed to a website to provide easy access to clients
- Implemented triggers to alert client when ratio of monitored stocks reached a certain threshold

Aug 2019 – March 2020

(Discontinued due to COVID-19)

STEM Tutor

University of Maryland - College Park

- 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
- Guided students to increase understanding, identify lagging skills, and correct weaknesses
- Helped increase the students' grades by an average of 7% over the semester

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 using **Python's Pandas library** to reduce data processing time by 40%

Projects

yashkaps.github.io/ttleague

UMD Table Tennis Club Web App | Personal Project

- Created a webapp to display Thursday Night League results with an admin page for data management using **Native JavaScript** for frontend, and **Microsoft Excel** files for storing data
- Website visited by 50+ people per week with frequent updates based on user feedback and necessity

umdhare.com

The Hare at UMD | Group Project

- Used **Vue.js** to revamp UI and app interface for news website with 200+ visitors per month
- Made use of **Bootstrap-Vue** to create and style custom components for rendering webpages
- Collaborated with designers and other developers to implement and improve features such as overall layout, color schemes, and animations

Simulation of a Social Media Platform | 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 a **Python** script using the **PySerial** library, for analysis and visualization via **Matplotlib**
- Gained greater insight on data collection and mining and as applicable to data science roles

Skills

Proficient:

Python (*Pandas, Matplotlib*), JavaScript (*Node.js, Native JS, Bootstrap*), HTML/CSS, MATLAB, Java, Git

Familiar:

Python (*SQLite, Seaborn*), SQL, JavaScript (*React.js, Vue.js*), C/C++, Ruby, OCaml, Arduino, Android Development

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