

Vatsal Baherwani

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EXPERIENCE

UNIVERSITY OF MARYLAND – College Park, MD

Research Assistant

Nov 2021 – Present

- Working under Dr. Lars Olson in the Department of Agriculture and Resource Economics.
- Utilizing a web scraper to collect invasive species data from the CABI Invasive Species Compendium.
- Developing a natural language processing model to extract insights related to the economic impact of invasive species and identify the most prominent economic threats.

BLOOMBERG L.P. – New York, NY

Software Engineer Intern

Sep 2020 – Aug 2021

- Developed a RESTful service using Java and Spring Framework to manage over 900 permissions and settings used by the Bloomberg Law web application.
- Created a responsive and dynamic interface with Vue.js, GraphQL, and Ruby on Rails to communicate with the Java service via HTTP requests.
- Provided analytics allowing managers to recognize and remove hundreds of unused permissions, reducing login time by over 200ms.
- Presented interface in front of managers and senior engineers to receive feedback for implementing new features and improving user experience.

PROJECTS

PLANNET

- Designed a web application enabling users to easily and effectively plan hangouts with their friends.
- Utilized Google OAuth API for user profile creation and Mapbox API for selecting and displaying locations.
- Winner of "Best Vision" award at hackBCA V.

NATIONAL PARK SERVICE INFO

- Built a web application with Vue.js to provide park information to visitors via the National Park Service API.
- Implemented search and filter algorithms for finding parks with specific activities.
- Selected as a winning submission for the Capital One Software Engineering Summit application process.

LEADERSHIP

UNIVERSITY OF MARYLAND HONORS COLLEGE – College Park, MD

Student Life Council Vice President

Oct 2021 – Present

- Managing a \$7,000 budget to plan and organize events for 1,000+ students in the University Honors program.
- Coordinating with 10 other council members to handle event logistics and increase community involvement.

GOOGLE DEVELOPER STUDENT CLUB – College Park, MD

Technical Lead

Oct 2021 – Present

- Organizing tech events and workshops to increase technical knowledge among the UMD student body.

HASBROUCK HEIGHTS PUBLIC LIBRARY – Hasbrouck Heights, NJ

Director and Teacher of Computer Science

Sep 2019 – Mar 2020

- Planned and taught a free 10-week programming class for over 20 middle school students through a custom curriculum teaching fundamentals of Python programming.

EDUCATION

UNIVERSITY OF MARYLAND – College Park, MD

Aug 2021 – Present

Bachelor of Science, Computer Science • Honors College • Cumulative GPA: 4.0/4.0

Coursework: Linear Algebra, Object Oriented Programming, Harvesting Big Data

ADDITIONAL

Technical Skills: Python, Java, JavaScript, Ruby on Rails, GraphQL, PostgreSQL, Vue.js, Flask, REST APIs, Object Oriented Programming, Dynamic Programming

Certifications & Awards: AP Scholar with Distinction