# Vatsal Baherwani

Allendale, NJ | vatsalbaherwani@gmail.com | linkedin.com/in/vatsal–baherwani | vatsalb.netlify.app

## 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**

*Associate Product Manager*                                                                             *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