

DIVYA GUPTA

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EDUCATION

University of Maryland, College Park, MD

May 2021

Bachelor of Science, Computer Science | Minor in Spanish and Mathematics

GPA: 3.90

Honors College: Design, Cultures, and Creativity Program

Relevant Coursework: Data Structures, Algorithms, Full-Stack Web Development (Node.js), Artificial Intelligence, Programming Handheld Systems, Principles of Software Development, Discrete Math, Statistics & Probability, Linear Algebra

SKILLS

Languages: Java, JavaScript, HTML5, React, TypeScript, CSS, C, Python, Rust, Kotlin, jQuery, Git, Unix CLI, Gitlab CI

Tools: Adobe XD, Figma, Adobe Illustrator, Adobe Photoshop, Jira, Agile/Scrum, Microsoft Office

Languages: English, Hindi, Spanish

EXPERIENCE

MongoDB, Software Engineering Intern

New York | June 2020 – August 2020

- Implemented a full-stack system using **React & Java** to allow users to give feedback on suggested MongoDB database indexes, allowing MongoDB to better tailor its index suggestions for all 22,000+ users
- Revamped UI for 4 real-time metrics **d3** charts on database usage to allow users to pause, scrub, and examine data over a 60-second period using **JavaScript, HTML, React, and Backbone**

NASA Goddard Space Flight Center, Software/UX Intern

Greenbelt | June 2019 – August 2019

- Gathered user research on 10 scientists and students to redesign NASA's public Earth Science Data website using **Adobe XD** and implement a visual search interface instead of a text-based search interface
- Prototyped a visual search of Earth Science data using video input, **HTML, CSS, JS**, and a **Leaflet.js** map to form a search query

Potluck Design, Freelance Software Developer

College Park | June 2019 – Dec 2019

- Developed responsive websites for 2 clients using **HTML5, CSS, JavaScript, and jQuery**, iterating on designs bi-weekly
- Implemented headers, client project pages, Google Maps functionalities, and image galleries with **Bootstrap** features

Iribe Initiative for Diversity in Computing, Ambassador

College Park | January 2019 – Present

- Teach STEM & computing principles during weekly outreach to neighboring middle schools, create lessons each week
- Craft digital marketing materials and host community-building programs at UMD to promote diversity in Computer Science

Johns Hopkins Applied Physics Lab, Software Engineering Intern

Laurel | September 2016 – August 2018

- Added 3 dashboard UI functionalities for image analysis to photo analysis software with **AngularJS, HTML/CSS, Bootstrap**
- Extracted and analyzed user activity/data from Twitter and Facebook using **Python** and REST APIs in JSON, XML, CSV formats

ACTIVITIES & LEADERSHIP

Technica (World's Largest All-Women/Nonbinary Hackathon) Director: Experience Team

2019 – Present

- Lead and organize mini-events for 200 hackers, team bonding events for 80 organizers, and website interactivity for 1250 users
- Manage ordering and distribution of swag to 950 total hackers, 100 sponsors, and 100 mentors & volunteers

Design Cultures, and Creativity Honors College TA and Distinguished Alumni Instructor

2017 – Present

- Develop curriculum with professor, supervise class discussions, and grade work of 60 students
- Created materials for and taught a two-day workshop on hand-lettering and design principles for 15 students

KEY PROJECTS

[Web] Playlist Forum (HTML, CSS, JavaScript, HandleBars.js, Express)

- Web application that allows users to browse, add, and search through playlists by keyword search or random feature

[UX] App for Cultural Awareness (Adobe XD)

- Built an MVP for a story-based app to expose native English speakers to cultural barriers acculturation for non-native speakers

[Android] Green Space Audit App (Kotlin, Firebase, Google Maps SDK)

- Android application that allows users to explore green spaces around them, check in, leave reviews, get points, and add spaces

AWARDS & RECOGNITION

Banneker/Key Scholar at UMD (*awarded to top 2% of applicants*)

2017 – Present

2019, 2020 **Grace Hopper Scholarship** by the Iribe Initiative for Diversity & Inclusion in Computing

2019, 2020