Mehul Maheshwari

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EDUCATION
Sep 2020 - Jun 2024 (expected)   GPA: 3.8/4.0

University of Wisconsin, Madison - *B.S. Computer Science with a Comprehensive Honors, and a Minor in Mathematics*
- Computer Science courses: Algorithms, Software Eng., User Interfaces, Computer Graphics, Artificial Intelligence, Human Computer Interaction, Programming I-III, Computer Eng., Machine Org. Programming, Applied Stats for Eng.
- Mathematics courses: Numerical Analysis, Numerical Methods, Discrete Math, Linear Algebra, Differential Equations, Calc I-III, Theory of Proofs

EXPERIENCE
Technology Development Intern at OPTUM through United Health Group   **2022-Present**
- Worked to automate reusable in-house de-identification processes, eliminating the need for 3rd party softwares such as informatica
- Automated backlog reporting data analysis with Java, cutting down on reporting time
- Created a website providing stakeholders relevant information and updates about company products
- Assisted creating an AI which helps diagnose patients with appropriate illnesses

Injection Molding Finisher at Protolabs, Plymouth, MN   **2021**
- Finished parts for quality inspection and shipping
- Problem solved handling issues and Injection molding machine failures

Instructor and Volunteer at STEM Builders, Plymouth, MN   **2016-2020**
- Taught app creation with MIT App inventor and Java
- Taught high school mathematics and robotics to kids in grades 8-11

Camp Counselor at the Hindu Mandir, Plymouth, MN,   **2016-2019**
Volunteer at Interfaith Outreach Community Partners, Plymouth, MN   **2017-2018**

PROJECTS   - **All projects can be found on my github:** https://github.com/mahesmeh001
- I am currently creating website for Madtown Bhangra which is responsible for attracting sponsors and creating revenue: https://mahesmeh001.github.io/madtown-website/
- Created a website for the Badminton Club to streamline registration and centralize important information: https://bit.ly/badminton_club
- I created a personal website for my hobbies and interests: https://bit.ly/mehul_maheshwari
- I worked in a team to create a full stack office hours application reducing wait times for students
- I created a Sorting Visualizer using React: https://mahesmeh001.github.io/sorting_visualizer/
- Team Projects in Java. e.g. Wikipedia Search Game, Squirrel Explorer, Hue Finder, Flight Explorer

RESEARCH
Enhancing Spatial Perception and Presence in Immersive Virtual Environments, University of Minnesota, under Professor Victoria Interrante   **2018-2019**
- Spearheaded project proposal, *The Field of View's Associations on Cybersickness in Virtual Reality*, which investigated the association between field-of-view and cybersickness with passive control.
- Collaborated with graduate students on *Spatial Perception in Immersive Virtual Environments*

SKILLS
- Proficient with React, Java, Python, HTML, CSS, JavaScript, Version Control, Rally, Power BI, Matlab
- Familiar with C++, C, GLSL, Unity / Unity 3D, Docker, Bash, Powershell, webGL, Jira, and Miro

EXTRACURRICULARS
- Madtown Bhangra - Marketing Director   **2023-Present**
- Badminton Club - Social Media and Communications Chair   **2020-2023**
- Transcend UW - CS / Business competition   **2020-2022**
- Coding For Good - helping Dane County Timebank transition to Drupal 8   **2020**
- Business Professional of America (BPA) Team Captain - Computer Science   **2017-2020**
- UW Madison Dean's List (x3)   **2020-2022**
- Minnesota Department of Education - Scholars of Distinction: Meritorious   **2019**