



# Mehul Maheshwari

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## EDUCATION

Sep 2020 - Jun 2024 (expected)

**University of Wisconsin, Madison** - *B.S. Computer Science with a Comprehensive Honors, 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, Mobile Applications, Cryptography, Applied Stats for Eng.
- Mathematics courses: Numerical Analysis, Numerical Methods, Discrete Math, Linear Algebra, Differential Equations, Calc I-III, Theory of Proofs

## RESEARCH

**Diversity Science Research Platform**, University of Wisconsin-Madison under Assistant Professor Jacob Thebault-Spieker **2023-Present**

- Creating a full-stack platform for researchers to investigate rating disparity within gig economies.

**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*

## EXPERIENCE

**Technology Development Intern at OPTUM through United Health Group** **2022-2023**

- Worked to automate reusable in-house de-identification processes, eliminating the need for 3rd party software such as informatica
- Automated backlog reporting data analysis with Java, cutting down on reporting time
- Created a website providing stakeholders with relevant information and updates about products
- Assisted in creating an AI that 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
- **Awarded** by the Minnesota Department of Education: **Scholars of Distinction - Meritorious**

## PROJECTS - All projects can be found on my resume page: <https://mehulmaheshwari.com/resume>

- 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](https://bit.ly/badminton_club)
- I created a personal website for my hobbies and interests: [https://bit.ly/mehul\\_maheshwari](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/](https://mahesmeh001.github.io/sorting_visualizer/)
- Team Projects in Java. e.g. Wikipedia Search Game, Squirrel Explorer, Hue Finder, Flight Explorer

## SKILLS

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

## EXTRACURRICULARS / LEADERSHIP

- 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 - Transitioning to Drupal for Dane County Timebank **2020-2021**
- Camp Counselor at the Hindu Mandir, Plymouth, MN, **2016-2019**