

# Neerad Uppalapati

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## EDUCATION

### University of Michigan - Ross School of Business

*Bachelor of Business Administration, Bachelor of Science in Computer Science*

Ann Arbor, MI

September 2021 – May 2024

- GPA: 3.7 / 4.0
- Relevant Coursework: Data Structures and Algorithms, Theory of Computation, Business Communications

## EXPERIENCE

### Software Engineering Intern

*Wipro*

May 2022 – August 2022

*Rochester Hills, MI*

- Implemented Micro Planning Tool (MPT), a proprietary application for project managers to keep executives up to date by tracking information about projects. Expected to reduce buffer time by over 20 percent due to reducing inefficiency in the project management process
- Created an interface that tracked all shipments entering and leaving the Detroit facility. Helped the company keep track of trucks and make sure all driving logs are accurate
- Improved efficiency of the project team by creating automated processes, namely with Python and Microsoft Power Automate. In addition, created high level macros in excel for employees

### MProduct Build Team

*University of Michigan*

January 2022 – Present

*Ann Arbor, MI*

- Collaborated with a team to create a mobile app called "Dinify", an app that finds Ann Arbor nightlife. Presented the app at the MProduct product showcase and won best product
- Collected and analyzed data from students on campus through various information gathering methods such as anonymous surveys, in-person questions, etc, to determine what new products people would like to see

### MHacks Sponsorship Director

*University of Michigan*

September 2021 – Present

*Ann Arbor, MI*

- Directed the sponsorship subdivision. Managed a team of students and guided them on how to communicate and reach out to potential sponsors
- Raised over 50k in funding and sponsorships from IMC, Meta, Google Cloud, McKinsey and more for MHacks 15
- Organized the logistics for an in-person event with over 750 expected attendees. Located venue and worked with clubs from surrounding university's to bus students in to MHacks

### UM Solar Car Advertising Lead

*University of Michigan*

September 2021 – Present

*Ann Arbor, MI*

- Increased new member enrollment by over 40 percent compared to 2020 and 2021 Fall and Winter Semester by increasing awareness within non College of Engineering students
- Secured over 20k in funding from companies such as Ford, Siemens, etc.
- Created new methods of spreading awareness, like advertising at events such as Festifall, Winterfest

## PROJECTS

### Messageboard Classifier | *Rust, C++* |

- Created a program that predicts the content of a message board post given the first word in a title and label of post in C++/Rust
- Created a segment tree data structure to find data as efficiently as possible
- Designed an efficient algorithm that only requires 10-15 training samples to become over 90 percent accurate

### Ray Tracer | *Rust, Git* |

- Implemented a Ray Tracer in Rust, as outlined by the "The Ray Tracer Challenge" by Jamis Buck
- Extended the ray-tracer with multi-threading support, additional primitives, and live scenes previews
- Created original data structures and containers as opposed to using the standard library

### RPS-Image-Recognition | *Python, JavaScript* |

- Utilized the open-source python libraries "SKLearn" and "Tensorflow" to develop a neural network that recognizes what hand a person is throwing in the children's game "Rock, Paper, Scissors"
- Created a web scraper to scrape images from a google search of "Rock, Paper, Scissors hands human"
- Designed an efficient neural network that is up to 95 percent accurate after 3 fittings

## TECHNICAL SKILLS AND HONORS

**Languages:** C/C++, Python, Rust, Golang, JavaScript/TypeScript, HTML/CSS

**Awards/Honors:** 2nd @ Jane Street Estimathon, Dean's List: Fall 2021, Winter 2022