

Roshni Mathew

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ABOUT ME

Interested on using my major and skills to help people. Currently focused on closing any knowledge gaps to offer the best value to my team.

A reliable candidate ready to take on challenges by using problem-solving and task-prioritization skills to help the team succeed.

EDUCATION

B.S. in Computer Engineering

University of Illinois Urbana-Champaign

GPA: 4.0/4.0

August 2022 - Present

High School Diploma

Whitney M. Young Magnet HS

UW GPA: 4.0/4.0 **GPA:** 5.19/5.0

August 2018 - June 2022

COURSES

- Intro to Neural Engineering
- Neuroscience for Engineers
- Multivariable Calculus
- Intro to Differential Equations
- Mechanics and Electricity and Magnetism
- Intro to Computing and Electronics
- Computer Systems and Programming
- Discrete Structures

LINKS

in [linkedin.com/in/roshnimathew04](https://www.linkedin.com/in/roshnimathew04)

HONORS & AWARDS

December 2021 - Coca-Cola Scholarship Semifinalist

April 2021 - Japan Bowl (1st at State, 9th at Nationals)

August 2022 - TechnipFMC Scholarship

HOBBIES & INTERESTS

Violin - Music built my discipline and commitment towards mastering a skill

3D Printing - Novice CAD design mainly to work on my electronic projects

TECHNICAL SKILLS

Languages:

- English
- Japanese (Intermediate)

Programming Languages:

- Python (Intermediate)
- C (Familiar)
- R (Familiar)
- HTML/CSS (Familiar)

WORK EXPERIENCE

Loyola University of Chicago - Research Assistant

JULY 2022-AUGUST 2022

- Built a network file system that allows server files to be accessed by the cluster
- Designed a computing cluster made up of NVIDIA Jetson Nanos
- Developed a protocol to dynamically assign IP addresses to each Jetson Nano.

Museum of Science and Industry - Intern

JULY 2021-AUGUST 2021

- Designed website for the Education division, displaying museum's STEM program. Later integrated into a website spanning all divisions of the museum.
- Created wireframes and interviewed staff to best fit website to museum's goal
- Proposed a Teen Leadership program to museum executives that would provide underrepresented minorities with opportunities in STEM

OTCR - Consultant

SEPTEMBER 2022-PRESENT

- Premier management consulting firm with a 9 % acceptance rate
- Collaborated on a team to develop a pricing strategy for a medtech startup
- Organized events to recruit members to the firm focusing on increasing diversity

Code Your Dreams - Apprentice

JULY 2020-AUGUST 2020

- Designed and developed a Crochet Patterns App using MIT App Inventor
- Selected as a finalist to present app to a software company called Active Campaign

PERSONAL PROJECTS

LED Cube

JANUARY 2022

- Building an LED Cube to work on my hardware/software skills
- Soldered 216 LEDs together to make the cube and built the circuit
- Currently testing and programming the arduino to make specific patterns

VOLUNTEERING/SERVICE

Crochet Club - Co-President, Co-Founder

SEPTEMBER 2018- JUNE 2022

- Taught over 60 members how to crochet
- Collected 80 crocheted donations which we donated to local shelters and hospitals
- Organized multiple fundraisers to sell our items. Raised about \$2500 for Project Hope and Room to Read.

National Honors Society - Service Chair

SEPTEMBER 2021-JUNE 2022

- Organized care package drive, donating 250 packages with \$3000 worth of supplies
- Planned a career/college day to assist with the college application process.
- Raised \$3000 for charity by coordinating a raffle which went to the Innocence Project

National Music Honors Society - Co-President

SEPTEMBER 2020- JUNE 2022

- Organized an event where we made 24 holiday music videos which we sent to local children's hospitals and senior citizen homes to brighten their holidays
- hosted two annual music trivia contests, helped organize a composition project night, and an open mic where students could perform.

Museum of Science and Industry - Science Achiever

OCTOBER 2018 - APRIL 2020

- Presented STEM facilitations to guests on the museum floor ranging from Newton's Laws of Motion to Olfaction
- Helped improve museum exhibits through feedback after tours

Last updated January 23, 2023