Rithi Vaithyanathan

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EDUCATION

University of Michigan – College of Engineering   Expected Graduation Date
Bachelor of Science Engineering in Computer Science   *May 2024*
GPA: 3.85/4.0
Relevant Courses: Programming and Intro to Data Structures, Discrete Mathematics, Data Structures and
                    Introductory Data Structures, Linear Algebra, *Data Structures and Algorithms*
Honors: William J. Branstrom Freshman Prize

WORK EXPERIENCE

Kode With Klossy   August 2019
Teaching Assistant   Detroit, MI
- Taught Mobile Applications Development (Apple's Swift) coding curriculum
- Coding curriculum includes basics of IOS and web development
- Taught 20 girls ages 13 – 18, a majority of whom now plan on pursuing a future in computer science
- Former scholarship recipient in 2017 and 2018

Starbucks   August 2019 – July 2020
Barista   Northville, MI
- Served customers in a high stress, multi-tasked environment
- Gained valuable customer service experience

Learn to Skate   June 2016 – June 2019
Instructor Assistant   Novi, MI
- Worked with ages ranging toddler to adult on skating skills
- Awarded VIP of the Year by Skating Club of Novi for work

LEADERSHIP / ACTIVITIES

Kappa Theta Pi Professional Technology Fraternity, University of Michigan   January 2021 – Current
Committee Member
- Organized discussion about ethics in the technology industry with 20 – 25 members to educate on practical concerns of technology
- United fellow female identifying members within the fraternity to discuss the issues and hurdles involved with being a woman in technology

HOSA, Novi High School   September 2019 – May 2020
Fundraising Chair
- Raised funds for an organization of 500+ students
- Reached out to multiple businesses in order to secure sponsorships
- Conducted various fundraiser throughout the year at local restaurants

M-HEAL, University of Michigan   September 2020 – December 2020
Incubator Member
- Part of a project development team focusing on improving neonatal care in developing areas
- Assessed and researched need statements in order to implement a design process to create a device to aid in neonatal care

SHEI Magazine, University of Michigan   January 2021 – Current
Photographer
- Managed and worked with a team of photographers and fashion members to implement creative and unique themes for 3 monthly digital magazine releases
- Took high quality images and used Adobe Creative Suite to enhance and correct photographs

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PROJECTS

Computer Vision (C++)
- Designed and built a program that uses a natural language processing and machine learning techniques to identify Piazza post subjects
- Utilized concepts such as recursion, binary trees, and map data structure

Need to add – sudoku and stock project

SKILLS
- Coding/Scripting Languages: C++, Java, Swift, Javascript, HTML/CSS, Python
- Software: Adobe Suite, Microsoft Office Suite (Word, PowerPoint, Excel, Outlook)