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Rahul Unniyampath

SKILLS

- Able to develop complex data structures and algorithm's in **Python**, **C++**, **Java**, and **MATLAB**
- Able to use **C#** and **Unity** to create games, have experience making a rapid prototype for an Augmented Reality game
- Decent electrical experience (worked with RC controllers, linear actuators, ultrasonic sensors)

RELEVANT TECH PROJECTS

- Developed an image-based tumor detecting program in Fall 2021. It also calculated and generated a viewable radiation map for the proposed treatment, which the program also generated:
<https://gitlab.eecs.umich.edu/rahulu/tumormap>
- Developed a content-aware image resizer. Intelligently resizes images while retaining maximum content detail:
<https://gitlab.eecs.umich.edu/rahulu/p2-cv>

OTHER TECH EXPERIENCE

- Final Project for AP Computer Science included collaborating to create an Augmented Reality multiplatform video game prototype.
- ENGR 151 project involved designing and constructing a small robot that used a variety of actuators and sensors to autonomously sort and deposit dummy packages with a team. (Can provide reference materials upon request).

OTHER WORK EXPERIENCE (References upon request)

Tollgate Farm, Novi – *Agricultural Caretaker*

June 2019 – September 2019

- Worked to remove several invasive species surrounding the pond.
- After about four hours of heavy physical labor a day for four days a week, for most of the summer, managed to significantly reduce the spread of invasive plant species.

Kroger, Novi – *Produce Associate*

Feb 2021 – May 2021

- Responsible for monitoring produce freshness, keeping items stocked, and keeping the department clean and presentable.
- Maintain fruit and vegetable displays to appeal to customers.
- Prepare pre-made food using proper safety and handling techniques.

No.VI Coffee & Tea, Novi – *FOH Barista, Cashier, BOH Cook*

May 2021 – Oct 2021

- Standard barista duties: preparing, serving a variety of drinks, including espresso-based specialty drinks, teas, pour-overs, etc.
- Preparing cold-brew coffee, quiches, lunch wraps, breakfast sandwiches.
- Stock food displays, display cooler, napkins, self-serve items.
- Clean store (vacuum, take out the trash, sweep, mop, clean restrooms, wipe tables, espresso machine/milk steamer, coffee grinder, wash dishes).
- Handle sales, customer interaction.
- The store usually has one to two employees on duty at any given time, so all cafe duties and responsibilities fall on that person or those people. As such, I've had to handle pretty much every aspect of operating the cafe and regularly close the store on my own.

Ann Arbor Coffee Roasting Company – *FOH Barista, Cashier, BOH Cook*

Oct 2021 – Present

- Duties are similar to the previous job, but require a higher knowledge of coffee, espresso, and food and drink preparation techniques. The cafe is also situated in a much busier college-town environment and as such has a completely different volume of business.

EDUCATION

Novi High School – *High School Diploma*

September 2016 – May 2020

Graduated Summa Cum Laude, actively participated in a variety of clubs and volunteered within the district whenever possible.

University of Michigan – Ann Arbor College of Engineering – *Computer Science Bachelor of Science in Engineering*

September 2020 – May 2024

Currently enrolled in my fourth semester at the University of Michigan, studying computer science.