Suraj Harjani

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EDUCATION

University of Michigan, Ann Arbor   **Sep 2018 – Dec 2021**

B.S.E. Computer Science Engineering (Dean's List)   GPA: 3.7

SKILLS

Relevant Courses

• Data Structures & Algorithms I and II • Computer Science Pragmatics • Computer Organization • Linear Algebra

Programming Languages

• Experienced: C++, C• Intermediate: C#, Python • Learning: SQL, MATLAB

Known Tools

• Experienced: Git, Unity, bash, UNIX based Systems

PROJECTS

Client and Server-side LAN messenger system (PYTHON)

- Utilized socket API to create a server/client information exchange protocol that utilizes IPV4 format to transfer strings of messages between clients through a server protocol script running on any one of connected machines.

Head Soccer (Unity using C#)

- Utilized physics engine built into Unity and complex algorithms to build a timed, multiplayer, platform soccer game with score-tracking capabilities.
- Plans are in place to continue on the initial project to provide a smoother interface with bot, arcade and other modes.

Command-Line card game (C++)

- Created multiplayer or singe player card game on command line using C++.
- Implemented random simple bot strategies to engage and challenge the player.

PROFESSIONAL EXPERIENCES

Management Consultant (BOND Consulting Group)   **January 2019 - Present**

- Analyzed Barber Shop Data in order to optimize and implement new staffing model to increase revenue.
- Examined appointments and demographics to strategize marketing of store in order to increase demand and eventually revenue.
- Liaised with past clients to receive detailed reports in order to track driven impact.

President   (Multi-cultural Council of Bursley Hall – UM)   **September 2018 – May 2019**

- Plan and implement programs to stimulate community living among residents in order to deliver a more enjoyable residence hall experience.
- Run open meetings where residents can share concerns, give feedback which are ultimately addressed by council.
- Promote environment that is open and welcoming to people of different backgrounds by running events – such as a walkover to a Diwali celebration and an educative game night -that promoted diversity, equity and inclusion.

Computer Consultant (CAEN Computer Network)   **March 2019 – May 2019**

- Ensured quick resolution of client concerns by providing troubleshooting of CAEN software and services, achieving ease-of-use of CAEN services for students and faculty.
- Organised and distributed customer service tickets, requests and complaints resulting in quick resolution of issues while prioritizing staff time.

Resident Advisor (University of Michigan Housing)   **September 2019 – March 2020**

- Facilitated inclusive environment for 50 residents, being a mentor for concerns and support to smoothen their acclimation to college.