Jay Sharma

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WORK EXPERIENCE

Crown Point Pharmacy   **January, 2014 – June, 2021**

Pharmacy Assistant

- **Customer Servic**e: Assisted customers with prescription pickups, provided information on medication, and handled cash and electronic transactions, maintaining a high level of professionalism.

- **Attention to Detail**: Managed and organised medication stock, ensuring accurate tracking, storage, and retrieval, while adhering to pharmaceutical regulations.

- **Data Entry and Management**: Entered and updated prescription information in the pharmacy's computer system, maintaining accuracy and confidentiality in handling sensitive data.

- **Collaboration and Teamwork**: Collaborated with pharmacists and other pharmacy staff to ensure smooth daily operations and timely delivery of medications to customers.

- **Problem-Solving**: Addressed customer inquiries and resolved issues, escalating complex problems to pharmacists when necessary.

- **Regulatory Compliance**: Followed safety protocols and regulatory guidelines, contributing to a safe and compliant pharmacy environment.

Self-Run Business   **January, 2022 – June, 2022**

Programming Tutor

- **Instruction and Curriculum Development**: Designed and delivered customised programming lessons for clients of varying skill levels, from beginners to advanced learners. Created educational materials and coursework to aid in teaching.

- **Client Management and Business Operations**: Managed all aspects of the tutoring business, including scheduling, billing, and client communications. Developed marketing strategies to attract new clients and grow the business.

- **Problem-Solving and Troubleshooting**: Assisted students in overcoming coding challenges and provided guidance on debugging techniques and best practices.

- **Feedback and Continuous Improvement**: Collected feedback from clients to improve tutoring methods and tailor lesson plans to meet individual needs. Pursued continuous learning to stay updated with the latest programming trends.

Code Ninjas   **June, 2022 – August, 2022**

Lead Camp Instructor

- **Leadership and Team Management**: Led a team of instructors in organising and executing a coding camp for kids. Coordinated daily activities, assigned tasks, and ensured a positive and engaging environment for campers.

- **Event Coordination and Logistics**: Planned camp schedules, organised equipment and materials, and coordinated with other staff members to ensure smooth camp operations.

EDUCATION

University of Waterloo   **September, 2016 – June, 2021**

Biomedical Science - BSc

Toronto Metropolitan University   **September, 2022 – April, 2024**

Honours Computer Science - BSc

PERSONAL PROJECTS

Texas Hold 'em Poker (Python)

Developed software to evaluate 5 to 7-card hands (2 in-hand plus the flop) and return a confidence metric on likelihood of winning, re-evaluated with each additional card. Used this value to program opponents' actions (e.g., High confidence would result in the Bot calling or raising the bet) and let the user actually play against them.

Text-Based ASCII RPG (Python)

Developed a text parser to take user input and determine what action needs to be taken. Usage of OOP to create a graph of nodes to represent rooms and travelling between them. Basic AI implementation for NPCs to also take actions while not in direct view of the player and to make decisions in combat.

Hospital Database (Oracle SQL Developer)

Collaborated with peers to create a relational database system through Oracle SQL Developer. Went through the process of creating an ER Diagram, generating tables, normalisation (BCNF), populating, and finally testing queries. Applied concurrency control techniques (2 Phase Locking) to force serialisation of schedules and prevent deadlock/starvation.