AMREEN KAUR

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Education

McGill University   **Aug. 2023 – May 2027**
*Bachelor of Science in **Statistics and Computer Science***   *Montreal, QC, Canada*

Relevant Coursework

- Statistics
- Probability
- Algorithm Analysis
- Software Systems
- Computer Systems
- Data Structures
- Linear Algebra
- Discrete Mathematics

Experience

Math Tutor   **August 2022 – May 2023**
Self-employed   *Livermore, California*

- Analyzed student performance metrics to design personalized learning strategies, improving grades by 1-2 letter grades.
- Explained complex algebra and geometry concepts clearly, fostering improved problem-solving skills.

LilacJewelryCo   **May 2020 – August 2023**
Etsy Shop Owner   *Livermore, California*

- Extracted and analyzed sales data using Excel to identify trends, completing over 200 orders within the first six months
- Improved customer satisfaction by delivering excellent customer service and strategic social media marketing while managing finances and operations.
- Donated 20% of the revenue to Khalsa Aid, supporting humanitarian aid to multiple countries across Asia and Africa.

Projects

Decision-Making Guided Visual Novel | *p5.js*   **January 2024**

- Developed a visual novel game, the Family Dinner, using Javascript
- Implemented algorithmic decision-making strategies   to increase game interactivity, with 6 different pathways and 2 endings"
- Utilized GitHub for version control, ensuring seamless collaboration between 4 team members in a time-sensitive hackathon environment.

Rocket Video Game | *Java*   **December 2022**

- Created a video game application using Java called ExplosiveEvasion on Greenfoot to challenge players to navigate a rocket through space while avoiding bombs. The goal is to test quick reflexes and decision-making skills in a fun and fast-paced environment.
- Used concepts of polymorphism to allow storage of high scores.
- Programmed the game to offer replayability and increase difficulty as the game progresses, pushing players to beat their own high scores.

Technical Skills

Programming: Java, C, HTML/CSS, SQL, JavaScript, Python, R
Tools: Google Cloud Platform, Microsoft Office, IntelliJ, VS Code, Eclipse
Technologies/Frameworks: Linux, Git, JUnit, GitHub, WordPress

Leadership / Extracurricular

Girls Who Code   **April 2024 – Present**
VP Hackathon   *McGill University*

- Designed workflows for event planning and KPIs for engagement success.
- Established multiple channels to secure sponsors, arrange prizes, and plan workshops by mobilizing operational, financial and event planning teams and working groups.

Diversity In Math   **April 2024 – Present**
VP Website   *McGill University*

- Managed the club's website using Wordpress and coordinated events to foster inclusivity in mathematics.
- Implemented content on the team website, using HTML/CSS, from the marketing team, ensuring alignment with communication strategies.

Girls Who Code   **June 2022 – July 2022**
Mentee   *Summer Immersion Program*

- Designed and implemented a personal website, activism website *Ban the Ban*, and quiz using HTML/ CSS and Javascript.
- Collaborated with peers and presented projects and learnings to over 200 professionals at a sponsor conference.