KOUSHA AMOUZESH

Email: Koushaamouzesh@gmail.com   **Tel**: 604-782-2974   **My Website:** https://portfolio-main-sepia.vercel.app/

Education

Bachelor of Science in Computer Science   (January 2023 - present)
    Simon Fraser University
    GPA: 3.92/ 4.33 (A)

Candidate for Bachelor of Science in Mathematics   (September 2021- December 2023)
    University of British Columbia
    GPA: 3.7/4.33 (A-)

Skills

Technical Skills
- **Languages**: Java, Python, C++, C, JavaScript, HTML, CSS, SQL, C#, R
- **Frameworks & Tools:** Git, Node.js, React.js, Next.js, EJS, PyTorch, TensorFlow, Google Cloud, Firebase, APIs

Soft Skills
- Teamwork, leadership, planning, public-speaking, communication, agile development
- **Fluency:** Farsi, English

Projects

Job Seeking Website (Firebase, Google Cloud GC, JavaScript, EJS, Web APIs)   (January 2023 – March 2023)
- Built a search page for users to browse their desired jobs at their location using Google Jobs API.
- Made a Real-time Firebase Google Cloud Database for Users to login and save their desire jobs which enables access to the job information by logging into their accounts.
- Implemented a search tool for users to discover other people and visit their page with includes their desired jobs, profession and location.

Math2Latex (Python, PyTorch, Teamwork, Agile Development)   (March 2023 – Present)
- Built a CNN computer vision model with my partner to predict the identity of handwritten mathematical symbols which will be used to help convert handwritten digital images into readable Latex in later phases of the project.
- Created classes that receives raw image data and converts the image into tensors with one hot encoded labeling.
- Used Matplotlib Python visualization tool to showcase model's prediction based on input image.

Path Finding Algorithm (C++, Data Structures, Unit Testing)   (November 2022-October 2022)
- Utilized a path finding algorithm for finding path between two points based on the input image.
- Used object-oriented programming to design the PNG model which converted individual pixels of the input image for processing and drawing the shortest path on the output image.
- Designed test cases for the algorithm that uses structures such as linked-lists, stacks, queues.

Survey Manager (Java OOP, Unit Testing)   (January 2022-March 2022)
- Built a Full-Stack application with JFrame frontend which enabled users to log into their account to create their public surveys, view their results, and delete them.
- Implemented a model for saving/ reading individual surveys which were written into a JSON file.
- Achieved a 100% converge in unit testing every class within the project.

Experience

Server
Hycroft Manor   (November 2022-October 2022)
- Provided dinner service to the guests and planned for upcoming events with the catering team.
- Trained new staff for organizing equipment for food service and planning for future events.

Digital Marketing Volunteer Assistant
Kits On Broadway   (January 2021 - May 2021; August 2019- September 2019)
- Updated the spreadsheet about the product discounts of businesses registered in the organization.
- Created a proposal outlining the development of a forthcoming mobile application for the organization.
- Addressed the bugs in the mobile application used for promotional purposes with development team.

Accomplishments

- UBC Dean's Honor List for 2021-2022 Academic year.
- BC District Scholarship for academic performance and community engagement 2021
- 2021 Newcomer Scholarship for new students with high academic performance and community involvement to Canada