KAMAL ZREIN

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EDUCATION

B.Sc. Computer Science, UNIVERSITY OF SASKATCHEWAN   **2022 - 2024**
Great Distinction

Certificate of Computing, UNIVERSITY OF SASKATCHEWAN   **2022 - 2024**
Great Distinction

B.E. Civil & Environmental Engineering, AMERICAN UNIVERSITY OF BEIRUT   **2016 - 2020**

Lebanese Baccalaureate in Life Sciences, BAR-ELIAS OFFICIAL HIGH SCHOOL   **2013 – 2016**
Top 1% Nationally

EXPERIENCE

Student Assistant at CS Department USASK   **Sept 2023 – April 2024**
- Represented computer science department in multiple events.
- Created & shared promotional content for department events.
- Assisted in organizing CS department biggest annual events: CS Career fair & Digitized.

Teaching Assistant at USASK - CMPT 270   **Sept 2023 - Dec 2023**.
- Analyzed performance data & provided insights fostering academic growth.
- Delivered lab material & conducted lab exercises.
- Invigilated & graded lab exams maintaining academic integrity.

Store Associate at TJX Canada   **May 2023 – Oct 2023**
- Processed product following department policies & code.
- Assisted customers with inquiries & product search.
- Performed safety checks & ensured compliance with standards & policy.

Teaching Assistant at USASK - CMPT 214   **May 2023 - Aug 2023**
- Conducted weekly lectures explaining educational material.
- Assisted student acquisition of complex concepts by identifying trends.
- Identified student weaknesses through well-crafted examples.

Teaching Assistant at USASK - CMPT 145   **Jan 2023 - May 2023**
- Proof-read & discussed instructional material ensuring clarity & correctness.
- Lectured on topics of Object-Oriented Programming, Data Structures, Algorithms & complexities.
- Utilized Canvas LMS to track student progress & maintain organized digital records.

Engineering Management intern   **Dec 2019 - Feb 2020**
- Project Management & Scheduling using management software Primavera.
- Handled Client Relations, concerns, & ensured satisfaction.
- Inspected site, materials, & safety standards to ensure compliance.

PROJECTS

- **BEAP Engine:** React Js, Ts, Node, Java, Spring Boot, R, PGSQL, Docker, Apache Tomcat & Maven. Website allowing smartwatch data upload & providing predictions through user-selected ML model.
- **Farm Management Application:** Java, Java FX, Spring Boot, Apache Maven, MongoDB.
- **Veterinary Clinic:** Java, Java Swing, MVC, Singleton, Command, Observer & Factory patterns.
- **Assistant Study Bot:** Python, Flask, PGSQL, Discord API, Uptime Robot API.
- **Task Planner:** React Js, Node Js, PostgreSQL, EmailJS.
- **Spotify WebApp:** Python, Flask, PGSQL, OAuth, Spotify API.

ACHIEVEMENTS & CERTIFICATIONS:

- USASK Computer Science Alumni Award **2024**
- Winner of USASK UI/UX Design-athon **2023**
- Courageous Curiosity Award in Saskatoon Eco-Hack **2022**
- Certificates in Advocacy Skills, Proposal Writing & Entrepreneurship **2017, 2018, 2018**
- Certificates in Presentation & Public Skills, Problem Solving & Decision Making **2017**
- Certificates of High Achievement in Math & Reading, Capacity & Team Building **2016, 2017**
- USAID USP higher education full ride scholarship award **2016**

SKILLS

- Python 3, PGSQL, Tableau, Power BI, Java, Flask, MongoDB, C, C++, HTML/CSS, Bash, Assembly, Scala, C#, Js, Ts , React, Node, Akka, Prolog, Jest, Playwright, Redis, Postman, Maven
- **IDEs:** IntelliJ , PyCharm, Clion, WebStorm, QtSpim, Visual Studio , VS Code, LABVIEW
- **Communication & Organization:** Canvas, Microsoft Teams, Slack, Zoom, Webex, Notion, 8x8
- **Version Control:** Git, Gitlab, GitHub
- **Operating Systems:** Windows, Linux (Unix), Mac OS
- **Other:** MS Office, MATLAB, AnyLogic, AutoCAD, Revit, Civil3D, SAP2000, EPANET2.0, Primavera, SAFE
- **Languages:** English, French, Arabic

LEADERSHIP ROLES

Corporate Relations Manager CSSS, Saskatoon **Apr 2023 – May 2024**
- Leveraged local partnerships towards fulfilling CSSS goals.
- Maintained existing ties with regional key entities.
- Identified possible collaboration opportunities with stakeholders.
- Coordinated with executive team on event planning.

Upper Year Representative UX/UI Design Club, Saskatoon **Apr 2023 – April 2024**
- Improved upper year perception of UX/UI club goals.
- Increased exposure & fostered interest in club activities.

USASK Esports Team Manager **Sep 2022 – April 2023**
- Fostered coordination & engagement through planned exercises.
- Managed team logistics including scheduling, reservations, & meetings.
- Ensured performance expectations are met based on established metrics.
- Maintained team & individual player compliance with university regulations.

Building Social Bridges , USAID **2019 - 2020**
- "Building Social Bridges", funded by USAID & overseen by CCECS, AUB, in Lebanon. An initiative fighting racism against Syrian refugees & fostering social cohesion.
- Mediated different stakeholders towards meeting project schedule & goals.
- Procured items, arranged transportation, & administered workshops.

VOLUNTEERING ACTIVITIES

Disaster Response, Beirut **2020**
- Joined disaster response efforts in Beirut after the devastating explosion in 2020.

Programming Teacher, AUB CCECS **2018 - 2019**
- Designed & delivered a 4-month long intro to coding class to underserved grade 11 students.

English/Arabic Translator, AUB **2017 - 2019**
- In International Student Program 2017 , as well as Humanitarian Engineering Course 2018-2019.

AUB Outdoors, AUB **2017 - 2018**
- Member of both Marketing (2017) & Construction team (2018) in AUB's biggest Yearly event.

AUB Outlook, AUB **2017 - 2018**
- Contributing writer for the popular, student-run campus newspaper "Outlook" at AUB.