
EDUCATION

University of Saskatchewan
Bachelor of Science Computer Science (Major)

Saskatoon, Canada
June 2021 – August 2024

WORK EXPERIENCE

Information Technology Analyst – University of Saskatchewan

August 2022 – August 2024

- **BIOS & Data Management:** Performed BIOS wipes and hardware data wipe procedures on 50+ devices; re-imaged 200+ computers for deployment. Managed and updated Windows 10/11 and Office 365 systems, ensuring seamless integration and security across 200+ computers. (Windows 10/11, Office 365, Forms, SharePoint, Power Platform, Teams). Used Identity and access management (IAM) for security management.
- **Ticket Resolution:** Used Atlassian Jira Confluence Team Dynamix and to resolve 100+ tickets monthly with a 95% first-time resolution rate, including calling clients and resolving both in-person and remote issues.
- **Leveraged programming languages** such as Python and PowerShell to automate routine IT tasks, significantly reducing manual effort and increasing operational efficiency.

Statistical Analyst | Intern – Huskie's Athletics Association

August 2023 – April 2024

- **Data Management & Analysis:** Collected, visualized, cleaned, and organized data for 25+ games; conducted statistical analysis using SPSS, Excel, and R, achieving a 99% accuracy rate in performance evaluations.
- **Database Development:** Developed and maintained databases for managing research data, increasing data retrieval efficiency by 30%.
- **Reporting & Presentation:** Prepared and presented 50+ reports, charts, and graphs summarizing research findings, enhancing clarity and decision-making for coaches.
- **Collaboration & Quality Control:** Collaborated with 10+ team members to interpret statistical results and conducted quality control checks on 100+ data entries, ensuring 98% data accuracy.

PROJECT

House Price Prediction Model | [LINK](#)

- Developed a house price prediction model using Python, achieving an R^2 score of 0.85.
- Collected and cleaned data from 1,000+ residential properties, improving accuracy by 20%.
- Compared regression algorithms, finding Decision Trees had the lowest Mean Absolute Error of \$12,000.
- Created 5+ visualizations to illustrate key features affecting house prices.
- Tuned model hyperparameters, increasing accuracy by 15%.

Smart Student Scheduler: A Comprehensive Academic Organizer | [LINK](#)

- Collaborated in a 4-member team to develop a web application that helps university students manage schedules, assignments, grades, and notes in one platform.
- Designed a user-friendly interface using HTML, CSS, and JavaScript, contributing over 300 lines of code.
- Built a scalable backend with Node.js, supporting 50+ users during testing.
- Utilized MongoDB for data management, storing 100+ entries for schedules and assignments.
- Implemented 5+ enhancements based on user feedback, increasing usability by 20%.
- Conducted unit and integration testing to ensure the application met quality standards and delivered a reliable final product, complemented by a comprehensive presentation to stakeholders, including user stories, use case diagrams, and UML class diagrams.

SKILLS

- **Technologies:** Proficient in **Python**, Java, C, HTML, **CSS**, **JavaScript**, **SQL**, **NOSQL**, DJANGO, MongoDB, Node.js, React.js, Express.js, SPSS, Excel, R, Git/GitHub, Docker, Oracle, Power-BI, Visual Studio, Basic DevOps, JUnit.
- **Development Expertise:** Extensive experience in software development/engineering, full-stack web development, Statistical Analysis, Version Control, RESTful services, API development, SOAP UI, Data Structures and Algorithms.
- **Agile & Design Proficiency:** Well-versed in Agile methodologies, MVC architecture, and various design principles.
- **Adaptable & Receptive:** Quick learner with a strong adaptability ability and a positive attitude towards constructive feedback.

CERTIFICATES

- **IBM Data Science Professional Certificate** - Includes modules on Python, data visualization, machine learning, and SQL for data science.
- **The Complete Web Development Bootcamp Certificate - ZTM** - empowering skills in full-stack development with hands-on experience in HTML, CSS, JavaScript, and accessibility practices through engaging projects.

