FYSAL BEAUFERRIS

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EDUCATION

BSc In Computer Science | Minor In Data Science   2017 – 2023
University of Calgary
- Jason Lang Scholarship 2020

TECHNOLOGIES

- Data Analysis, and Visualization: **PySpark, Machine Learning, Hadoop, RStudio, Stata, Tableau, Excel, PowerBI**
- Object-oriented programming: **Java, Python, C++, C#**
- Database Management Systems: **SQL, Relational Models**
- Development Tools: **Git, UML, JUnit, .NET**
- Front-End Development: **HTML, CSS, JavaScript, Figma**

RELATED UNIVERSITY COURSES

- **Database Management Systems I&II –** CPSC 471/571
- **Data Science Capstone –** DATA 501
- **Computational Statistical Modelling** – DATA 305
- **Data Structures, Algorithms and Their Analysis –** CPSC 331
- **Programming Paradigms –** CPSC 449
- **Human Computer Interaction I &II** – CPSC 481/581
- **Engineering Large Scale Analytics Systems** – SENG 550

PROJECTS

Alphabody – Pose Gesture Screen Unlocker   January 2023
Technologies: HTML, CSS, JavaScript:

Web application that uses user pose gestures as password input to unlock their phone.
- Worked as a team of 4 over four month term for Human Computer Interaction Course.
- Created both low and medium fidelity prototypes prior to implementation
- Applied and modified Google Pose Detection API in final build

Mkrs Union – Makerspace Management System   April 2022
Technologies : Blazor, C#

A management system to help TFDL makerspace users better navigate the process of learning about and using the space. Web application allows both beginner or experienced users to book equipment and register for events and workshops where you learn or connect with the wider community of makers at TFDL.
- Worked as team of 5 over four month term of Human-Computer Interaction (HCI) course.
- Focus on Human-Computer Interaction Task-Centered System Design and Prototyping in creation of UI/UX.
- Process of UI/UX design done in phases;Evaluating the background environment, system usage and constraints. Identification of expected users, work context and creating concrete task examples. Prototyping and walk through of prototype, redesign involving medium fidelity illustrations followed by vertical prototype illustrations. Heuristic Evaluation of our final prototypes with a final design rational before implementing final design in code.
- Interactive web UI created using Blazor framework using C# (alongside HTML and CSS).

Airline Reservation System   January 2022
Technologies: ASP.NET, SQLite, Postman:

Web application allows customers to easily view available flights and book/reserve them as needed. System includes administrative controls to manage flights and bookings.
- Worked as team of 3 over four month term for Database Management Systems course.
- Project designed using an Entity Relationship Diagram which was then used as the basis for creating a Relational Model for our design.
- WEB UI created using ASP.NET framework.
- SQLite used as the database management system.
- API testing using Postman API Platform.

WORK EXPERIENCE/VOLUNTEERING

IKEA – Goods Flow Associate | Full-serve Handouts Associate   April 2019 – March 2023
Calgary, AB
- Management of booking, modification, return and cancellation of deliveries using in-house software.
- Responsible for logging and tracing of order movement between arrival and dispatch teams using excel and 3rd party shipment software.
- Actively working with inventory management systems to achieve stock accuracy and replenishment scheduling.

ADSS – University of Calgary Actuarial & Data Science Society | Junior Executive   Present
Calgary, AB

CERTIFICATIONS

- CodeAcademy: **Learn React Course –** *20 Hours Aug 2022*
- CodeAcademy: **Learn Intermediate JavaScript Course – *10 Hours Aug 2022***
- CodeAcademy: **Learn JavaScript Course –** *20 Hours July 2022*
- CodeAcademy: **Learn CSS –** *10 Hours June 2023*
- CodeAcademy: **Learn Intermediate CSS –** *15 Hours July 2023*
- *Linkedin Learning:* ***React.js Essential Training – 2 Hours June 2022***
- *Linkedin Learning:* ***JavaScript Essential Training – 6 Hours June 2022***
- CodeAcademy: **Learn HTML Course –** *9 Hours June 2023*
- CodeAcademy: **Learn the Command Line Course –** *8 Hours July 2023*
- Linkedin Learning: **Web Scraping with Python –** *2 Hours June 2022*
- Microsoft: **Career Essentials in Data Analysis –** *9 Hours Sept 2023*
- CodeAcademy: **Learn SQL Course –** *8 Hours Sept 2023*
- CodeAcademy: **Introduction to Big Data with PySpark – *4 Hours Sept 2023***
- CodeAcademy: **Getting Started with Python for Data Science – *5 Hours Sept 2023***
- Linkedin Learning: **Data Science Foundations –** *5 Hours Aug 2023*