Aymen Ouali

\$ 514-702-8472 | **aymen.ouali@mail.mcgill.ca** | **b** LinkedIn | **G** GitHub | **Portfolio Website**

Skills		
Programming Languages: Java, F		
	irebase Firestore, SQL Server, AWS, DigitalOcean, Kubern	-
-	eact Native, Svelte, Flask, .NET Framework, .NET Core, Ta	ailwindCSS, Bootstrap, ExpressJS
DEs: Visual Studio Code, Visual S		
	cket, Bitbucket Pipelines, Docker, Firebase, Unity, Postma	an
anguages: French (native), Engl	,iish (professional fluency)	
Nork experiences		
	(Full-Stack) – Intelligence Industrielle	May 2022 – August 202
	eb application on AWS ECS using Fargate and EC2 Load b	balancers, allowing the company to go from
	ient to a single easy-to-use infrastructure.	
Researched, analyzed, and e	evaluated multiple software engineering solutions (AWS,	, GCP, DigitalOcean) to deploy Apache
Airflow on a cluster.		
Deployed Apache Airflow or	n a DigitalOcean Kubernetes cluster with a Load Balance	er using Kubernetes and Helm, which
completely fixed the crashir	ing issues for tasks.	
	Bitbucket repository and created a CI/CD pipeline using E	Bitbucket Pipelines.
	icated with the Business Intelligence team using MS Team	
crashing Apache Airflow dep		
	d multiple front-end features in React .	
	and NodeJS to implement multiple back-end features of	
-	to store logs and files and AWS Lambda for Playwright t	
Used: React, JavaScript, No	odeJS, ExpressJS, MongoDB, DigitalOcean, Kubernetes, H	Helm, AWS, Bitbucket
Ingineering Projects		
/IAIS Hacks 2022 (Deep Learnin	ng) – Hackathon	October 202
	evelop a deep learning model that notifies the user if the	eir sitting posture is incorrect.
	ain and test the neural network .	
	o create the images used for the custom dataset .	
	works, Numpy, Mediapipe, OpenCV, Teachable Machine	8
	kathon - <u>Website</u> – <u>GitHub Repository</u>	February 202
	evelop a ReactJS website called StoryHolic to stories struc	-
	cation and Firestore for storing the stories in a tree struc	
Used: ReactJS, JavaScript, F	-	
IDL-k: Arcade (Full-Stack) - Pers		April 2021 – April 202
Used BeautifulSoup4 in Pyth	hon to perform web scraping and gather data from dbkp	
	mmendation system using Pandas and Cosine Similarity	
	using Flask to return questions.	
	application using Expo that uses the data from the REST A	API.
Developed a React Native a		
	ion and Firebase Firestore to store user-related data.	
Used Firebase authentication		base, Firestore, Pandas, Cosine Similarity
Used Firebase authentication Used: Python, Flask, React I	Native, React Hooks, Asynchronous Programming, Fireb	
Used Firebase authenticatic Used: <u>Python, Flask, React I</u> acHacks 2021 (Front-End) – Ha	Native, React Hooks, Asynchronous Programming, Fireb	February 202
Used Firebase authentication Used: Python, Flask, React I acHacks 2021 (Front-End) – Ha In a team of 4, built a typing	Native, React Hooks, Asynchronous Programming, Fireb ackathon – <u>GitHub Repository</u> g speed website using Flask, HTML, CSS, JavaScript and de	February 202
Used Firebase authentication Used: Python, Flask, React I SacHacks 2021 (Front-End) – Ha In a team of 4, built a typing Used: Python, Flask, JavaScr	Native, React Hooks, Asynchronous Programming, Fireb ackathon – <u>GitHub Repository</u>	February 202
 Used Firebase authenticatic Used: Python, Flask, React I GacHacks 2021 (Front-End) – Ha In a team of 4, built a typing Used: Python, Flask, JavaSci Education 	Native, React Hooks, Asynchronous Programming, Fireb ackathon – <u>GitHub Repository</u> g speed website using Flask, HTML, CSS, JavaScript and de cript, HTML, CSS, PythonAnywhere	February 202 eployed on PythonAnywhere.
Used Firebase authentication Used: <u>Python, Flask, React I</u> SacHacks 2021 (Front-End) – Ha In a team of 4, built a typing Used: <u>Python, Flask, JavaSci</u> Education	Native, React Hooks, Asynchronous Programming, Fireb ackathon – <u>GitHub Repository</u> g speed website using Flask, HTML, CSS, JavaScript and de cript, HTML, CSS, PythonAnywhere g.), Co-op in Software Engineering – CGPA: 3.8/4.0	February 202

Past: Communication in Engineering, Model-Based Programming, Introduction to Computer Science