



TECHWEEK2019

First Day: Wednesday November 13th **

Session Title: Event Opening ceremony with an INT Presentation and Game Tournament

Presentation Day: November 13th from 10:00 to 12:00

10:00 -11:00 Opening **Ceremony**

11:00 -12 :00 INT Warm up (Kahoot) and Logical Puzzles (Giveaways)

12:00 - 14:00 **Lunch Break**

14:00 - 18:00 **GAME TOURNAMENT (Win STEAM gift cards)**

Second Day: Thursday November 14th

1.Session Title: Networking and Security: the David's Tea Case

Presenter: Mr. Homero Oliveira

Company: David's Tea

Presentation Summary: Ex-LaSalle student, now working in the Networking field, will give an overview of the network of his company, as well as the perspectives of the IT Job Market in Montreal

Event Opening INT Presentation: Networking, Security, IT Job Market, Ex-LaSalle Student

Presentation Day: November 14th from 10:00 to 11:00

2.Session Title: Developing a simple 2d game with C# and Unity

Presenter: Marc Andre Larouche

Company: LaSalle College Montral

Presentation Day: November 14th from 11:00 to 12:00



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3.Session Title: Amazon Web Services AWS

Presenter: Robson Miranda

Presentation Summary: Amazon Web Services AWS is the world's most comprehensive and broadly adopted cloud platform, offering over 165 fully-featured services from data centers globally. Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—trust AWS to power their infrastructure, become more agile, and lower costs. This session will explain the AWS history, its fundamentals, and bases. It will also be covered the pathway for certification and a showcase about how to use AWS with amazon personal assistant ALEXA. AWS is one of the top trending Services in the IT industry and IT professionals should be aware of certifications, types of services and how to use it. The aim of this session is to show the different roles of AWS certifications and also to introduce the audience into the promising world of AWS.

Presentation Key words: Clouding; Web Services; AWS Certification; AWS Roles in the industry; Alexia Integration;

Presentation Day: November 14th from 13:00 to 14:00

4.Session Title: Introduction to MongoDB database

Presenter: Mohamed Zeroug

Company: LaSalle College Montreal

Presentation Summary: MongoDB is the most popular open source NoSQL databases you can work with. It is increasingly used in the industry and MongoDB developers are in high demand. This workshop will get you familiar with the essential skills of this powerful database. At first this workshop discusses MongoDB ecosystem where you discover its development environments. After that, you spend the remaining time to practice data manipulation and query of MongoDB database such as create a database, insert, update, delete and query data using various search criteria.

Note: *You need to download MongoDB before to attend this workshop*

Here is the link <https://www.mongodb.com/download-center/community>



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Presentation Key words: Introduction, MongoDB Ecosystem, Installing MongoDB, MongoDB database structure, Manipulating MongoDB database

Presentation Day: November 14th, 14:00 – 16:00

5.Session Title: Machine Learning for Climate Change

Presenter: Mrs. Carolina Bessega

Company: Stradigi AI

Presentation Summary: Illustrate how different areas of machine learning can contribute to solving problems in real life. We will start by going through the definition of artificial intelligence and its different approaches. From there, we will discuss Deep Learning representations of unstructured data in the cases of images and text, illustrating its importance by giving examples related to Climate Change research.

Presentation Day: November 14th from 17:00 to 18:30

Third Day: Friday November 15th

1.Session Title: Bouleversement numérique et Opportunités pour le Futur / Digital disruption and future opportunities.

Presenter: Mr. Wadih Zaatar

Company: CISCO

Presentation Day: November 15th from 10:00 to 12:00



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2.Session Title: Tech Talks The beginning of the new information revolution: The quantic supremacy

Presenter: Mr. Alex Vilvert

Company: LaSalle College Montreal

Presentation Summary: Quantum computers constitute a new approach to processing information, one that makes use of the laws of quantum mechanics, the discipline of physics that describes the behavior of particles at a microscopic level of atoms.

Presentation Key words: QuBit, Bit, Quantic, IoT

Presentation Day: November 15th from 13:00 to 13:15

3.Session Title: Test Driven Development TDD

Presenter: Mr Henri Carbon

Presentation Summary : Learn how Test Driven Development concepts apply in the real world followed a hands-on session on how to develop using the TDD approach.

Presentation Key words: Software Development, Unit Test

Presentation Day: November 15th from 13:15 to 15:00

4.Session Title: Git and GitHub

Presenter: Mr Henri Carbon

Presentation Summary : Github and Gitlab are version control software that are heavily used in the workplace. They are must have skills. Learn how to create, operate, use and manage a Git account.

Presentation Key words: Git, team project, individual project, version control

Presentation Day: November 15th from 16:10 to 17:40



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Fourth Day: Monday November 18th

1. Session Title: Puzzles and Clues and Win Prizes

Presenter: Mrs Nariman Mansour and Mr Mohamed Zeroug

Company: LaSalle College Montreal

Presentation Summary: Come solve some interesting challenges prepared by the faculty of the CS department at LaSalle College.

Presentation Key words: Puzzles, challenges

Presentation Day: November 18th from 10:00 to 12:00

2. Session Title: TechTalk Introduction to Firebase

Presenter: Salima Hassaine

Company: LaSalle College Montreal

Presentation Summary: Firebase is an application development platform that provides a Real-time database and backend as a service. The Real-time Database is a NoSQL database that is hosted on a cloud. Data is stored as JSON and synchronized in real-time to every connected client. When you build cross-platform apps with our iOS, Android, and JavaScript SDKs, all of your clients share one Real-time Database instance and automatically receive updates with the newest data. Firebase provides many other services, like: Authentication & Security, File Storage, Analytics, Push Notifications, etc.

Presentation Key words: Real-time Database, NoSQL Database, Cloud- hosted

Presentation Day: November 18th from 13:00 to 13:15



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3.Session Title: Voice IP workshop and IT essentials simulator

Presenter: Mr Mohsen Yahia and students

Company: LaSalle College Montreal

Presentation Key words: Voice over IP

Presentation Day: November 18th from 13:15 to 15:15

4.Session Title: Development d'une application mobile multiplateforme avec Flutter

Presenter: Leandro Carvalho de Almeida

Company: EXO Montreal

Presentation Summary:

Flutter is an open-source UI software development kit created by Google. It is used to develop applications for Android, iOS, Windows, Mac, Linux, Google Fuchsia and the web.

Presentation Key words: Programming, Coding, Hybrid, Mobile

Presentation Day: November 18th from 15:15 to 16:15

5.Session Title: Debugging tips for VS and Dev Ops

Presenter: Mr. Girish Narang

Presentation Key words: Dev Ops, Debug, Productivity

Presentation Day: November 18th from 16:30 to 18:00



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Fifth Day: Tuesday November 19th

1. Session Title: Artificial Intelligence – Opportunities, Now & Future

Presenter: Mr. Kaveh Bakhtiyari

Presentation Summary: Artificial Intelligence (AI) has been the center of attention in various fields. We often hear about how our lifestyle benefits from AI and its possible threats to take over the human life and rule our world or to simply eliminates many job opportunities. Universities, big companies, and even governments are investigating AI potentials to integrate it into their products, services and even their own internal workflows. For instance, every recent smartphone available in the market employs some AI techniques in their applications, autopilot systems in unmanned vehicles and aircraft are based on AI. On the other hand, Montreal is becoming a major global hub for AI research, and more companies are bringing their AI research labs to Montreal. In this talk, we want to know more about AI, its applications, benefits and threats. Moreover, the current state and possible future direction of AI will be discussed. We will also introduce some of the programming languages and tools to develop an intelligent system using AI. If you are interested in AI, this talk will provide you fundamental points to understand and start your fascinating journey towards this direction.

Presentation Key words: AI, Data science, machine learning

Presentation Day: November 19th from 10:00 to 12:00

2. Session Title: Tech Talk Reasons to NOT buy an electric car

Presenter: Mr. Alex Vilvert

Company: LaSalle College Montreal

Presentation Key words: Electric car, Environment, Battery

Presentation Day: November 19th from 13:00 to 13:15



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3.Session Title: Python

Presenter: Mr. Dara Aghamirkami

Company: LaSalle College

Presentation Summary: Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together. Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. The Python's extensive standard library are available in source or binary form for all major platforms and can be freely distributed.

Presentation Key words:Python's Introduction, Python's Evolution, Python's Ecosystem, Gaming with Python

Presentation Day: November 19th from 13:15 – 15:00

CLOSING CEREMONY with a look back video

****Keep in mind that we have ongoing Game Showrooms and Tech Support help desk running in parallel on the mezzanine at scheduled and announced times**

Keep in mind that the parameters, information, dates, times, themes and speakers mentioned above may change.



TECHWEEK2019

13-19
NOVEMBER

For us, your curiosity matters.

10.00 - 18.00
LaSalle College JPM Hall

www.int4fc.com

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MORE INFO:

1st ↑ INT GAME
← ↓ → TOURNAMENT

WORKSHOPS

TEChTALKS

