

Antoun J. Yaacoub Ph.D.

ASSOCIATE PROFESSOR IN COMPUTER SCIENCE · PH.D. IN ARTIFICIAL INTELLIGENCE
TECHNO-PEDAGOGICAL ENGINEER · EXPERT IN ONLINE AUTOMATIC PROGRAMMING ASSESSMENTS
YOGA INSTRUCTOR
Paris - France

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Current Position

Full Time Associate Professor

Paris, Île-de-France, France

ESIEA - ECOLE D'INGÉNIEURS EN SCIENCES ET TECHNOLOGIES DU NUMÉRIQU

From 2022

I have had the privilege of teaching a wide range of courses, including graph theory, data compression, image processing, numerical analysis, research initiation, and machine learning. Additionally, I have had the rewarding experience of supervising students in various projects, fostering their growth and cultivating their research and problem-solving skills.

AIBT (Artificial Intelligence for Business Transformation) Master Supervisor

Paris, Île-de-France, France

ESIEA - ECOLE D'INGÉNIEURS EN SCIENCES ET TECHNOLOGIES DU NUMÉRIQU

From 2022

I oversee and guide students in their pursuit of mastering the application of artificial intelligence in the context of business transformation. Through mentorship and curriculum development, I empower students to harness AI's potential and drive impactful innovation in the business world.

Google Cloud Certification Coordinator

Paris, Île-de-France, France

ESIEA - ECOLE D'INGÉNIEURS EN SCIENCES ET TECHNOLOGIES DU NUMÉRIQU

From 2023

I am responsible for facilitating and coordinating certification programs within the organization. I collaborate closely with Google Cloud France and our partner Onepoint to orchestrate regular seminars on cutting-edge topics, delivered every two weeks. These engaging sessions provide valuable insights and updates on emerging trends, equipping professionals with the knowledge they need to stay ahead in the dynamic world of cloud computing. I ensure that ESIEA students have the necessary resources and support to pursue and achieve Google Cloud certifications, empowering them to excel in cloud computing and drive business success.

Areas of specialization - Pedagogic Innovation

Moodle Assessment Expert

Highly experienced in educational design and tools. Addressing distance learning through innovative teaching strategies bringing together pedagogical and technological methods.

- Adapt new concepts using innovative methods in teaching programming courses online.
- Use of *CodeRunner* as an online tool for programming assessment by providing an automatic correction of the code and suitable crafted error messages helping students to engage and correct the mistakes in their codes.
- Smart use of test cases, time & memory limit, template customization and advanced features.
- Application in: Python, Java, C/C++, SQL and graph theory.
- Moodle management: E-Learning Standardization. Advanced experience in exercise design and general online assessment. Anti-cheats methods. Plagiarism detection. Quiz question types and parameters. Question Bank. E-learning evaluation tools and methods: competency frameworks, advanced automatic grading, gradebook, attendance, badge, certification, course completion, workshops, etc.

Moodle Trainer

Using Moodle features for online education and training instructors to organize their course pages.

Webinar presenter as part of a training plan organized by the International Centre for Higher Education and Innovation (UNESCO-ICHEI).

Webinars: Apprentissage et Evaluation en ligne (4 sessions ~ 8 hours)

Content creator and manager:

Performing the duties related to IT Management, Chief Information Officer, Communication Officer and Cultural Service Chief Officer at the Faculty of Science (2011-2017) accumulated high experience in the creation, design, maintenance and management of content related to web pages, graphics and social media.

Academic event planner, organizer and supervisor

Highly experienced in forming teams, assigning tasks for them and supervising their work to complete major events held by the Cultural Service Office at the Faculty of Science. (2014-2017)

Key Points

Research Interest	Artificial Intelligence, Neural networks, Machine learning, Deep learning, Knowledge Representation, Classical Logic and Databases, Computational Complexity, Decision Theory, Information Systems, Imperative Programming, Functional Programming, Declarative Programming, Competitive Programming.
Competencies	Informatics Pedagogy, Project Management, Psychology, Writing, Administrative Communication, Graphic skills for visualization.
Applications	Moodle, Photoshop, CodeRunner, YouTube, Active Presenter, Colab, Jupyter, Oracle, HackerRank, OnlineJudge, WinPython, Anaconda, Zoom, Teams and Office.
Programming	Python, C/C++, Java, LaTeX, Prolog, LISP/CLISP, MATLAB, PHP, MySQL, HTML5, .NET, CSS, JavaScript, JQuery, XML, DTD, UML, Tensorflow, OpenCV, Keras.
Languages	English, French, Arabic
Skills	Socializing, Driving, Hard Worker, Cooking, Perfectionist, Working out, Yoga.
Travel	Poland, Italy, Germany, France, United Kingdom, Latvia, Cyprus, Turkey, Georgia, Armenia, United Arab Emirates, Egypt, Seychelles Islands.

Previous Professional Experience

Associate Professor

Hadat, Lebanon

FACULTY OF SCIENCE, LEBANESE UNIVERSITY

2012 – 2022

Computer science instructor at the Applied Mathematics department at the Faculty of Science, teaching mainly programming courses that range from basics, till Data structures, advanced algorithms to reach competitive programming. Excellent experience in innovative education methods in online teaching and assessment of programming. Recent research works involve detecting clinical manifestation of apathy using machine learning. Research interest is now targeted towards Deep learning and Neural networks.

Game Design and Development Master Supervisor

Hadat, Lebanon

FACULTY OF SCIENCE, LEBANESE UNIVERSITY

2017 – 2019

The Game Design and Development master program involved all aspects of creating games—design, content creation, programming, testing, and project management.

- Designing, and evaluating this master curriculum and program.
- Supervising, motivating and providing academic guidance this master students.
- Establishing contact with different local gaming companies to ensure internship for students.

Cultural Service Chief Officer - Communication Officer

Hadat, Lebanon

FACULTY OF SCIENCE, LEBANESE UNIVERSITY

June 2014 – July 2017

- Manage the Faculty of Science's website, and various social media platforms to establish and maintain dialogue with students and reach new audiences.
- Write media releases, speeches and newsletters in line with the Faculty of Science's policies and strategic vision.
- Develop and maintain media contacts across a range of media outlets (local, national, and international; print, broadcast, radio, and electronic) and draft media releases when necessary.
- Handle enquiries from a range of local and national media.
- Write content for the Faculty of Science's website.
- Planning, organizing, and supervising a range of events both on-campus and off-campus, to cite mainly:
 - June 2014 - Links between scientific research, university and society
 - December 2015 - Opening ceremony of Georges and Henriette Tohme Herbarium
 - February 2015 - Lasers in the medical field
 - March 2015 - Workshop on sustainable management of water resources in Lebanon
 - April 2015 - Geosciences Consortium
 - June 2015 - The role of the Lebanese University in preserving the natural heritage, the Museum of Natural History
 - October 2015 - The reality of scientific research in Lebanon
 - November 2015 - BioBeirut 5 - Cancer Biology and Immunology Meeting
 - November 2015 - Status of the oil industry in Lebanon: challenges, opportunities and aspiration
 - January 2016 - 1st University Health / Safety Day
 - February 2016 - The challenges of master's internships in companies: from innovation to development
 - March 2016 - Daily lifestyle and its relationship to cardiovascular disease
 - April 2016 - Security and water management in Lebanon and the countries of the region
 - August 2016 - Inauguration of Applied Plant Biotechnology Laboratory
 - August 2016 - Security and water management in Lebanon and the countries of the region
 - September 2016 - Commencement Ceremony ~ 900 students
 - October 2016 - Investigating DNS Abuse / Misuse for Law Enforcement Agents
 - October 2016 - Recruitment of new teachers
 - April 2017 - LAAS 23rd International Scientific Conference

Information Chief Officer

FACULTY OF SCIENCE, LEBANESE UNIVERSITY

Hadat, Lebanon

June 2014 – July 2017

- Provide technological guidance, supervise information system and communications network, participate in vendor contract negotiations for all new computer equipment and software purchased for the dean's office.
- Assess and anticipate technology projects and recommend appropriate action and resources.
- Establish and direct the strategic and tactical goals, policies, and procedures for the dean's office.
- Propose hardware/software solutions to accomplish the dean's office objectives.
- Maintain information technology strategies by managing staff, researching and implementing technological strategic solutions.

IT Manager

FACULTY OF SCIENCE, LEBANESE UNIVERSITY

Hadat, Lebanon

January 2011 – May 2014

Maintain information technology strategies by managing staff, researching and implementing technological strategic solutions.

Data analyst and Project manager

MIDDLE EAST STUDIES LTD

Baabda, Lebanon

August 2008 – May 2014

Collecting, collating and carrying out complex data analysis in support of management and customer requests.

Teaching experience

Machine learning

4TH YEAR ENGINEERING DEGREE

ESIEA

2022-2023

- Number of teaching hours: 24.
- Number of students: ~ 60.
- Content: KNN, AI, neuron, single layer neural networks, multi layer neural networks, CNN.

Initiation to research

5TH YEAR ENGINEERING DEGREE - CYBERSECURITY MAJOR

ESIEA

2022-2023

- Number of teaching hours: 6.
- Number of students: ~ 90.
- Content: bibliographic studies, zotero, LaTeX, Beamer, Peer review workshop, Presentation.

Image processing

4TH YEAR ENGINEERING DEGREE - AI AND DATA MAJOR

ESIEA

2022-2023

- Number of teaching hours: 12.
- Number of students: ~ 60.
- Content: thresholds, histogram equalization, contrast enhancement, morphological transformations, filters, restoration, noise, segmentation, contours, descriptors, face detection.

Numerical in Python

4TH YEAR ENGINEERING DEGREE

ESIEA

2022-2023

- Number of teaching hours: 18.
- Number of students: ~ 100.
- Content: Gradient descent, linear and simplex methods.

Data encoding and compression

2ND YEAR ENGINEERING DEGREE

ESIEA

2022-2023

- Number of teaching hours: 18.
- Number of students: ~ 33.
- Content: Entropy, lossless and lossy compression.

Graphs and applications

2ND YEAR ENGINEERING DEGREE

ESIEA

2022-2023

- Number of teaching hours: 42.
- Number of students: ~ 33.
- Content: Graph representation, implementation, traversals, MST, coloring, Eulerian and Hamiltonian graphs, shortest paths.

Data structures

BS 2ND YEAR COMPUTER SCIENCE

Lebanese University

2014 till 2021

- Number of teaching hours: 60.
- Number of students: ~ 150.
- Content: Asymptotic analysis, ADTs, stacks, queues, trees, graphs, sorting, searching.

Pattern Recognition

Lebanese University

SIGNALS, TELECOMS, IMAGE AND SPEECH (STIP), FIELD ELECTROMECHANICAL ENGINEERING (FEME) AND CYBERSECURITY

2021

(CBRS) MASTER 2

- Number of teaching hours: 8.
- Number of students: ~ 36.
- Collaboration with *Dr Siba Haidar* and *Dr Yasser Mohanna*
- Content: CNN Image Classification Lab. DNN and CNN Handwritten Digit Recognition Lab.

Algorithms and Programming

Lebanese University

BS 1ST YEAR COMPUTER SCIENCE - STATISTICS - MATHS

2018 till 2021

- Number of teaching hours: 60.
- Number of students: ~ 300.
- Content: Fundamental elements of a C program. Basic types, operators and expressions in C. Read and write data. Alternative structure. Repetitive structure. Arrays, strings and functions.

Functional Programming

Lebanese University

BS 2ND YEAR COMPUTER SCIENCE

2018 till 2021

- Number of teaching hours: 30.
- Number of students: ~ 50.
- Content: Python control statements, functions, strings, lists, dictionaries, tuples, sets, files, regular expressions, lambda expressions, iterators, generators and list comprehension.

Advanced Algorithms and Competitive Programming

Lebanese University

BS 3RD YEAR COMPUTER SCIENCE

2017 till 2021

- Number of teaching hours: 40.
- Number of students: ~ 20.
- Collaboration with *Dr Siba Haidar*
- Content: Complexity of recursive functions, complete search, divide and conquer, greedy algorithms, dynamic programming, advanced topics in graph, string processing, computational geometry.

Imperative Programming

Lebanese University

BS 2ND YEAR COMPUTER SCIENCE

2018-2019

- Number of teaching hours: 40.
- Number of students: ~ 120.
- Subbing *Dr Siba Haidar* in her sabbatical year.
- Content: Recursion, pointers, structures, linked lists and files in C.

Introduction to Computer Science

Lebanese University

BS 1ST YEAR COMPUTER SCIENCE - STATISTICS - MATHS

2015 till 2020

- Number of teaching hours: 36.
- Number of students: ~ 600.
- Content: Overview of computer architecture, operating systems, software, databases, networks and Internet.

Distributed Applications programming

Lebanese University

MASTER 1 COMPUTER SCIENCE

2012 till 2019

- Number of teaching hours: 48.
- Number of students: ~ 40.
- Content: Students learned to develop distributed applications. The course covered Java streams, TCP sockets, UDP datagram, Multithreading, RMI, serialization and agents.

Advanced databases

Lebanese University

MASTER 1 COMPUTER SCIENCE

2013 till 2018

- Number of teaching hours: 48.
- Number of students: ~ 30.
- Content: System crash, logs, transactions, concurrency, distributed databases, indexing, Btrees, B+trees, hashing, indexing, optimizing queries, deductive databases, object oriented databases. Oracle.

Server Side Web development

Lebanese University

BS 3RD YEAR COMPUTER SCIENCE

2017-2018

- Number of teaching hours: 50.
- Number of students: ~ 50.
- Content: Web architecture. PHP language. PHP forms. Sessions. Connection with a DBMS (MySQL). Ajax and jQuery. Security(injections). Introduction to XML and XSLT. Regular expressions.

Graphical interface and Applications

Lebanese University

BS 3RD YEAR COMPUTER SCIENCE

2017-2018

- Number of teaching hours: 36
- Number of students: ~ 50.
- Content: Design Patterns: creational, structural and behavioral Patterns. JavaFX.

Scientific English

Lebanese University

GAME DESIGN AND DEVELOPMENT, CYBERSECURITY AND BIOSTATISTICS MASTER 2

2016-2017

- Number of teaching hours: 36
- Number of students: ~ 30.
- Content: Planning, preparing and delivering a presentation. Presenting in conferences. Writing reports. Creating a CV and LinkedIn profile. Latex for papers, reports, CVs and presentations.

Knowledge Representation

Lebanese University

MASTER 1 COMPUTER SCIENCE

2013 till 2017

- Number of teaching hours: 36.
- Number of students: ~ 20.
- Content: Predicates, conceptual graphs, ontology, knowledge Representation, web semantic.

Introduction to logic and logic programming

Lebanese University

BS 2ND YEAR COMPUTER SCIENCE

2013 till 2015

- Number of teaching hours: 30.
- Number of students: ~ 120.
- Content: Propositional logic, Predicate logic, Prolog programming.

Lab Java

Lebanese University

STRI PROFESSIONAL MASTER 1

2014-2015

- Number of teaching hours: 12.
- Number of students: ~ 10.
- Content: In Java: objects, inheritance and polymorphism. Abstract classes, inheritance, and interfaces. Package, Exceptions and Streams.

Lab distributed programming

Lebanese University

STRI PROFESSIONAL MASTER 1

2014-2015

- Number of teaching hours: 13.
- Number of students: ~ 10.
- Content: Threads in Java. Synchronized. Locks.

Systems administration in networks

Lebanese University

STRI PROFESSIONAL MASTER 1

2013 till 2015

- Number of teaching hours: 48.
- Number of students: ~ 10.
- Content: Install, configure Windows servers. Configure server roles and features. Create and configure virtual machines. Deploy and configure DHCP and DNS services. Create and manage Active Directory users, groups and Organizational Units. Create Group Policy Objects. Configure Firewalls.

Advanced databases

Lebanese University

STRI PROFESSIONAL MASTER 1

2013 till 2015

- Number of teaching hours: 36.
- Number of students: ~ 10.
- Content: PL/SQL principles, exceptions, cursors, triggers, collections, records, dynamic SQL, Bulk SQL, procedures, functions and packages.

Education

Paul Sabatier University - IRIT Lab

Toulouse, France

PH.D. DEGREE IN COMPUTER SCIENCE - ARTIFICIAL INTELLIGENCE

2009-2012

- Thesis title: *Information flow in logic programming.*
- Supervisors: Philippe Balbiani, Ali Awada.

Opole University

Opole, Poland

24TH EUROPEAN SUMMER SCHOOL IN LOGIC, LANGUAGE AND INFORMATION (ESSLLI)

August 6-17, 2012

- Thesis title: *Une plateforme pour l'étude et la visualisation de liens lexicaux, sémantiques et structuraux dans les Réseaux Petits Mondes Hiérarchiques (RPMH)*.
- Supervisor: Ali Awada.
- First Class Honours.

Faculty of Science - Lebanese University

Lebanon

- First Class Honours.

Talks

- June 3-4, **UNESCO-ICHEI (International Centre for Higher Education and Innovation)**, Evaluation en ligne: 2020 problématique et stratégies / mise en pratique Moodle Webinar
- September **European Conference on Logics in Artificial Intelligence (JeLIA)**, Deciding the bisimilarity relation 26-28, 2012 Toulouse - France
- October **Computational Logic and Knowledge Representation Workshop**, Information flow in logic 21-22, 2011 Toulouse - France
- June 8-10, **Cinquièmes Journées de l'Intelligence Artificielle Fondamentale (JIAF)**, Information flow in logic 2011 programming Lyon - France

Publications

1. Quentin Pajon, Swan Serre, Hugo Wissocq, Léo Rabaud, Siba Haidar, Antoun Yaacoub. Balancing Accuracy and Training Time in Federated Learning for Violence Detection in Surveillance Videos: A Study of Neural Network Architectures. In : International Workshop on Trustworthy Federated Learning in Conjunction with IJCAI 2023 (FL-IJCAI'23), Macau, 21/08/2023.
2. Siba Haidar, Antoun Yaacoub, Felicia Ionascu. Evaluating the Effectiveness of a New Programming Teaching Methodology Using CodeRunner. In : The Learning Ideas Conference 2023, 16th annual conference, New York, 14/07/2023-16/07/2023.
3. Antoun Yaacoub, Zainab Assaghir, Sara Makki, Radwan Almokdad. Diagnosing Clinical Manifestation of Apathy Using Machine Learning and Micro-facial Expressions Detection. In: International Symposium on Computer Science and Intelligent Control (ISCSIC), Netherlands, 25/09/2019-27/09/2019.
4. Zainab Assaghir, Antoun Yaacoub, Sara Makki. Network intrusion detection demystified using classification trees. In: Recent and Innovation Trends in Computing and Communication (IJRITCC) (2017).
5. Antoun Yaacoub, Zainab Assaghir. Bottom-Up Bisimilar Datalog Goals. In: American Journal of Engineering Research (AJER) (2017).
6. Antoun Yaacoub, Hassan Safwan. On the decidability of the information flow in Datalog using Magic Sets. In: International Journal of Scientific Development and Research (IJS DR) (2017).
7. Antoun Yaacoub. Bisimilarity, Datalog And Negation. In: International Journal of Computer Science: Theory and Application (2016).
8. Antoun Yaacoub, Ali Awada. Information Flow In Datalog Using Very Naive And Semi Naive Bottom-Up Evaluation Techiques. In: International Journal of Computer Science: Theory and Application (2016).
9. Antoun Yaacoub, Ali Awada. Inference Control on Information Flow in Logic Programming. In: International Journal of Computer Science: Theory and Application (2015).
10. Antoun Yaacoub, Ali Awada, Habib Kobeissi. Information Flow in Concurrent Logic Programming. In: British Journal of Mathematics and Computer Science, Vol. 5 No. 3 pp. 367-382 (2015).
11. Philippe Balbiani, Antoun Yaacoub. Deciding the bisimilarity relation between Datalog goals (regular paper). In : European Conference on Logics in Artificial Intelligence (JELIA 2012), Toulouse, 26/09/2012-28/09/2012, Luis Fariñas del Cerro, Andreas Herzig, Jérôme Mengin (Eds.), Springer, p. 67-79, septembre 2012.
12. Antoun Yaacoub. Towards an information flow in logic programming. In: International Journal of Computer Science Issues Vol. 9 No. 2 pp. 52-60 (2012).
13. Antoun Yaacoub, Ali Awada, May Dehayni. Visualizing relationships in Hierarchical Small World Networks. International Journal of Computer Science and Network Security Vol. 10 No. 6 pp. 71-79 (2011).
14. Ali Awada, May Dehayni, Antoun Yaacoub. An ATMS-Based Tool for Locating Honor Cards in Rubber Bridge. Journal of Emerging Trends in Computing and Information Sciences Vol. 2 No. 5 pp. 209-218 (2011).
15. Ali Awada, Philippe Balbiani, Antoun Yaacoub. Information flow in logic programming. In : Journées d'Intelligence Artificielle Fondamentale, Lyon, 08/06/2011-10/06/2011.

Academic Supervision Activity

PhD thesis

DOCTORAL SCHOOL OF SCIENCE AND TECHNOLOGY - LEBANESE UNIVERSITY

- Student: Mohamad Ab Saleh
- Subject: *Complex emotions expression and recognition in anthropomorphic systems*
- Co-tutoring with Ali Awada

Lebanon

2014 – 2015

Master thesis

FACULTY OF SCIENCE - LEBANESE UNIVERSITY

- Student: Nancy Sbeity
- Subject: *Business Intelligence with Qlik*

Lebanon

March–July 2015

Master thesis

FACULTY OF SCIENCE - LEBANESE UNIVERSITY

- Student: Hassan Safwan
- Subject: *Information flow in Datalog using bottom-up evaluation*
- Co-tutoring with Ali Awada

Lebanon

Feb.–July 2014

Master thesis

FACULTY OF SCIENCE - LEBANESE UNIVERSITY

- Student: Hassan Assaad
- Subject: *Emotion expression and recognition*
- Co-tutoring with Ali Awada

Lebanon

March–July 2014

Master thesis

DOCTORAL SCHOOL OF SCIENCE AND TECHNOLOGY - LEBANESE UNIVERSITY

- Student: Zeinab Mokdad
- Subject: *Information flow detection in concurrent logic programming*
- Co-tutoring with Ali Awada

Lebanon

March–July 2013

Program Committees

2018 **Organizing Committee**, 1st INTERNATIONAL CONFERENCE ON BIG DATA AND CYBER-SECURITY INTELLIGENCE” BDCSIntell 2018

Lebanon

2017 **Organizing Committee**, The 23rd International Scientific Conference” LAAS23

Lebanon

Extracurricular Activity

Equipier de Première Intervention en réalité virtuelle

ESIEA

- Developed proficiency in utilizing virtual reality simulations for immersive training experiences, enhancing practical skills and decision-making abilities in emergency scenarios.

Ivry-sur-Seine, France

June 1st, 2023

Repérer et Accompagner un Etudiant en Difficulté

ESIEA

- Obtained specialized training in identifying and supporting students facing difficulties, gaining the ability to recognize signs of distress and provide appropriate assistance.
- Developed effective strategies for providing guidance, resources, and support to students in need, ensuring their well-being and promoting their academic success.

Ivry-sur-Seine, France

September 29, 2022

Concevoir un enseignement conciliant présentiel et distanciel

ESIEA

- Acquired expertise in designing blended learning approaches that integrate both in-person and distance education methods.
- Developed strategies for creating an effective learning experience that combines face-to-face interactions and remote learning technologies, optimizing educational outcomes for diverse learner needs.

Online

May 10, 23 & October 18, 2022

Formation Sauveteur Secouriste du Travail (SST)

ESIEA

- Completed a comprehensive two-day training program as a “Sauveteur Secouriste du Travail” (Workplace First Aid Rescuer), acquiring essential skills in providing first aid and rescue in the workplace. item Developed expertise in assessing and responding to workplace emergencies, including administering first aid, performing CPR, and effectively managing injuries and illnesses until professional medical help arrives.

Ivry-sur-Seine, France

July 11 & 12, 2022

Chargés d'Evacuation

Ivry-sur-Seine, France

ESIEA

June 29, 2022

- Gained comprehensive knowledge and practical skills in emergency evacuation procedures.
- Developed expertise in executing efficient and safe evacuation plans, including crowd management, communication strategies, and ensuring the well-being of individuals during emergency situations.

Huawei Certification: Huawei Certified Academy Instructor

Online

HUAWEI

2020

- Entitled to deliver relevant HAINA (Huawei Authorized Information and Network Academy) courses as part of an authorized educational institute.

Huawei Certification: HCIA - AI

Online

HUAWEI

2020

- Master the AI development history, the Huawei Ascend AI system, the full-stack all-scenario AI strategy algorithms related to traditional machine learning and deep learning.
- Be able to build, train, and deploy neural networks by using development frameworks TensorFlow and MindSpore.
- Competent in sales, marketing, product manager, project management, technical support, and other AI positions.

The Science of Well-Being

Online

YALE UNIVERSITY (OFFERED THROUGH COURSERA)

2020

- Engage in a series of challenges designed to increase someone's own happiness and build more productive habits.
- Revealing misconceptions about happiness, annoying features of the mind that lead us to think the way we do, and the research that can help us change.
- Successfully incorporate a specific wellness activity into your life.

Science of Exercise

Online

UNIVERSITY OF COLORADO BOULDER (OFFERED THROUGH COURSERA)

2020

- Having an improved physiological understanding of how your body responds to exercise, and will be able to identify behaviors, choices, and environments that impact your health and training.
- Exploring a number of significant adjustments required by your body in order to properly respond to the physical stress of exercise, including changes in carbohydrate, fat and protein metabolism, nutritional considerations, causes of muscle soreness and fatigue, and the effectiveness and dangers of performance enhancing drugs.
- Active learning assessments to apply this new knowledge via nutrition logs, heart rate monitoring, calculations of your total daily caloric expenditure and body mass index (BMI).
- Examine the scientific evidence for the health benefits of exercise including the prevention and treatment of heart disease, diabetes, cancer, obesity (weight loss), depression, and dementia.

200-Hour Ashtanga Vinyasa Yoga Teacher Training

Lebanon

SARVAM YOGA

2019

- Learn to teach and to practice a broad range of yoga asanas.
- Learn the appropriate and correct alignments for postures and for different bodies.
- Explore the modifications and variations of the most common asanas.
- Learn and practice the art of hands-on-adjustment.
- Understand the basic concepts of functional anatomy applied to yoga practice.
- Experience and practice different pranayama and meditation techniques.
- Experience the yogic life in the 9 days residential

Social Media links

Personal Moodle

 Guest access - user: test password: 123!@#qweQWE

Personal YouTube channel

 /antounyaacoub

- Algorithmics and programming playlist (142 videos ~ 25 hours)
- Data Structures playlist (91 videos ~ 28 hours)
- *Webinars*: Apprentissage et Evaluation en ligne (4 sessions ~ 8 hours)

LinkedIn  /antounyaacoub

Research Gate  /Antoun-Yaacoub

Instagram  /dr.antounyaacoub

Facebook  /antoun.yaacoub

Twitter  @antounyaacoub