

## PERSONAL INFORMATION

Name **TANNOUS, JOE**  
Address **RMEILEH, MOUNT LEBANON, LEBANON**  
Telephone **+961 71101857**  
E-mail **JCT06@mail.aub.edu**  
**Joe\_Tannous@outlook.com**  
LinkedIn **Linkedin.com/in/joe-tannous**  
Nationality **Lebanese**  
Date of birth **26, November, 1996**

## WORK EXPERIENCE

- Dates (from – to) August 2019 – Present
  - Name of corporation **American University of Beirut (AUB)**
  - Type of business or sector Education
  - Occupation or position held Graduate Fellow (GF)
  - Main activities and responsibilities
    - Graduate Research Assistantship (GRA) Duties:
      - Perform research duties assigned by the director of the study
      - Conduct an IRB-Approved Subject Study
      - Write algorithms and perform data analysis
      - Test new devices and sensors
    - Graduate Teaching Assistantship (GTA) Duties:
      - Assist lab instructors with lecture delivery and explanation
      - Hosted a virtual room during online teaching, where students could join and ask their questions
      - Answer students' emails
    - Graduate Assistantship (GA) Duties:
      - Perform tasks required by the department to the assigned course
      - Assist instructors in preparing course material (assignments and quizzes)
      - Help in the organization of events and competitions hosted at campus
      - Correct and grade training reports
      - Exam proctoring
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- Dates (from – to) August 2018 – December 2018
- Name of corporation **Mobilonia**
- Type of business or sector Software Development
- Occupation or position held **Freelance**
- Main activities and responsibilities
  - Analyze articles and classify them into categories and subcategories

## EDUCATION AND TRAINING

<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	August 2019 - Present
<ul style="list-style-type: none"> <li>• Name and type of organization providing education</li> </ul>	<b>American University of Beirut (AUB), Ras Beirut, Lebanon</b> Maroun Semaan Faculty of Engineering and Architecture (MSFEA), Faculty of Medicine (FM) Department of Biomedical Engineering <b>Program: MS in Biomedical Engineering</b> <b>Focus Area: Biomedical Cybernetics</b> GPA: 3.75
<ul style="list-style-type: none"> <li>• Principal subjects/occupational skills covered</li> </ul>	Biomedical Signal & Image Processing, Machine Learning, Computational Modeling in Physiological Systems, Biostatistics, Biomedical Engineering Lab, Hospital Lab Rotation, Physiology, Biochemistry, Genetics.
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	September 2014 – January 2019
<ul style="list-style-type: none"> <li>• Name and type of organization providing education</li> </ul>	<b>American University of Science and Technology (AUST), Achrafieh, Beirut, Lebanon</b> Faculty of Engineering Department of Biomedical Engineering <b>Program: BS in Computer &amp; Communications Engineering – Minors in Biomedical Engineering and Biomedical Sciences (ABET-accredited)</b> GPA: 3.68
<ul style="list-style-type: none"> <li>• Principal subjects/occupational skills covered</li> </ul>	Physiology and Quantitative Physiology, Biomedical Materials Considerations, Chemistry & Biochemistry, Electrical Biophysics, Genetics, Mechanics, Dynamics, Circuit Analysis, Digital Systems, Electronics, Signals and Systems, Control systems, Communication and Digital Communication Systems, C++ Programming, MATLAB Programming, Differential Equations, Probability & Statistics
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	August 2017 – September 2017
<ul style="list-style-type: none"> <li>• Name and type of organization providing training</li> </ul>	<b>Student Internship at University Medical Center of Hotel Dieu de France</b>
<ul style="list-style-type: none"> <li>• Main activities and responsibilities</li> </ul>	<ul style="list-style-type: none"> <li>- Got introduced to the various hospital departments and familiarized with their equipment</li> <li>- Performed preventive maintenance on syringe pumps, IV pumps, and defibrillators</li> <li>- Evaluated the safety, efficiency, and effectiveness of medical equipment</li> <li>- Fixed inoperative machines and reinstated them in service</li> <li>- Documented all actions performed on medical equipment, along with inventory management using AssetPlus™</li> </ul>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	September 1999 – July 2014
<ul style="list-style-type: none"> <li>• Name and type of organization providing education</li> </ul>	<b>Ecole Saint Charbel, Jieh</b>
<ul style="list-style-type: none"> <li>Principal subjects/occupational skills covered</li> </ul>	General Subjects required for Secondary classes. (Academic)
<ul style="list-style-type: none"> <li>• Title of qualification earned</li> </ul>	<b>Lebanese Baccalaureate Part II – Life Sciences</b>

## ACADEMIC PUBLICATIONS

- Title of the Publication **Design and Development of a Heart Attack Detection Steering Wheel**
- Published in 2018 11th International Congress on Image and Signal Processing, Biomedical Engineering and Informatics (CISP-BMEI) - Beijing, China
- Link: <https://ieeexplore.ieee.org/document/8633210>

## LICENSES AND CERTIFICATIONS

- Title of the Certifications
  - **Introduction to Data Science in Python**
  - **Supervised Learning with scikit-learn**
  - **Machine Learning with Tree-Based Models in Python**
  - **Introduction to Deep Learning in Python**
  - **Linear Classifiers in Python**
  - **Unsupervised Learning in Python**
- Issued in Fall 2020-2021, by datacamp
- Title of the Certifications
  - **Biomedical Responsible Conduct of Research**
  - **Social and Behavioral Responsible Conduct of Research**
  - **Social & Behavioral Research - Basic/Refresher**
- Issued in September, 2019 by CITI Program
- Title of the Certification **Cisco Certified Network Associate Routing and Switching (CCNA1 & CCNA2)**
- Issued in January, 2019 by CISCO

## PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE **Arabic**

### OTHER LANGUAGES

	<b>English</b>	<b>French</b>
Reading skills	Excellent (IELTS score 7.5), Excellent	
Writing skills	Excellent (IELTS score 6.5), Good	
Verbal skills	Excellent (IELTS score 7.5), Good	

### TECHNICAL SKILLS AND COMPETENCES

AssetPlus™  
Python, Java, C/C++, R, MySQL, HTML, Assembly  
MATLAB / SIMULINK, LabVIEW  
IBM SPSS  
Arduino, Raspberry Pie  
Express PCB, Proteus, PCB Designer, Circuit Maker  
Autodesk Inventor Pro  
Adobe Photoshop, Adobe Illustrator, Adobe Premiere Pro  
Microsoft Office  
Tech Enthusiast

PERSONAL/SOCIAL SKILLS AND COMPETENCES	Time Management Skills, Mental Organizational Skills, Physical Organization Skills, Self-Organized with Project Management skills Public Speaking Skills, Calm, Social, Hard Worker with High Flexibility, Able to Work in a Team, High Team Spirit, Cooperative and Helpful while Working in a Group
PROFESSIONAL SOCIETY MEMBERSHIPS	IEEE EMBS Vice President, AUB – IEEE/EMBS Student Chapter (Academic Year: 2019-2020) Biomedical Representative, AUST- IEEE Student Branch Executive Committee (2017-2019) IEEE EMBS Student Member
UNIVERSITY CLUB MEMBERSHIPS	AUB Biomedical Engineering Student Society (AUB BMESS) Student Member (2019-Present) AUB Tech Club (2020)
ARTISTIC SKILLS AND COMPETENCES	Piano, Guitar, Basketball
PARTICIPATIONS, ACHIEVEMENTS AND ACTIVITIES	<ul style="list-style-type: none"> <li>- Judge Assistant in the FEA Bridge Competition 2019, American University of Beirut (2019)</li> <li>- Record Keeper in the FEA Sumo Competition 2019, American University of Beirut (2019)</li> <li>- IELTS Academic OBS: 7.5/9 - British Council (2019)</li> <li>- Dean's Distinguished List, American University of Science and Technology from Fall (2015-2016) to Fall (2018-2019)</li> <li>- CERTIFICATE OF ACHIEVEMENT IN THE SENIOR LAB EXPO, First place in the Biomedical Engineering Department, Faculty of Engineering - American University of Science and Technology (2018)</li> <li>- Organizer in The Robot Medieval Tournament, AUST- IEEE Student Branch, American University of Science and Technology (2018)</li> <li>- CERTIFICATE OF ACHIEVEMENT IN THE CCE LAB EXPO, First place in the Electronics course, Faculty of Engineering - American University of Science and Technology (2017)</li> <li>- Certificate of achievement in the Lab Projects Expo, Faculty of Engineering - American University of Science and Technology (2016)</li> <li>- Certificate of Attendance, Towards a Healthcare Technology Innovation Hub in Lebanon and the Region, American University of Beirut (AUB) (2017)</li> <li>- CERTIFICATE OF ACHIEVEMENT IN THE CCE LAB EXPO, First place in the Circuits I course, Faculty of Engineering - American University of Science and Technology (2016)</li> <li>- CERTIFICATE OF ACHIEVEMENT IN THE MATH EXPO, First place in the Linear Algebra course, Department of Mathematics - American University of Science and Technology (2016)</li> <li>- CERTIFICATE OF ACHIEVEMENT IN THE MATH EXPO, First place in the Differential Equations course, Department of Mathematics - American University of Science and Technology (2016)</li> <li>- Participated in the campaign that was launched by AUST Sidon campus to support the CCAA (المجلس الاهلي لمكافحة الإدمان في صيدا والجوار) cause against drugs. (2015-2016)</li> <li>- Dean's Honor List, American University of Science and Technology from Fall (2014 – 2015) to Spring (2015)</li> <li>- Certificate of proficiency in English, Cambridge English Assessment - University of Michigan (2015)</li> </ul>
DRIVING LICENCE(S)	Earned