FARAH SAAB

Information

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Websites
http://tiny.cc/fwsWP
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SKILLS

- Strong experience in predictive modelling using Python/R
- Experience in data analytics and extraction of key insights
- Experience in web scraping and data preprocessing
- High proficiency in handling large SQL databases
- Strong mathematics and statistics background
- Moderate experience in big data technologies: HADOOP, Spark-MLlib
- Predictive Modelling: NumPy, Pandas, SciKit Learn, TensorFlow, Keras
- Data Visualization: Matplotlib, Seaborn, ggplot, Plotly, Cufflinks, Choropleth Maps, Excel
- Programming: Python, R, SQL, C++, C#, Java, MATLAB, Android, Kotlin, Unity
- Interpersonal: Research, Curiosity, Creative Thinking, Public Speaking, Mentoring, Teamwork, Conflict Resolution, Consulting, Event Planning and Organization

EXPERIENCE

09/2019 – PRESENT
Beirut, Lebanon

AMERICAN UNIVERSITY OF BEIRUT
Postdoctoral Research Associate
- Conducted focused research on emergent security issues in machine learning and robotics
- Compiled, organized, and manipulated research data to produce reports and graphs and deliver research findings
- Managed graduate assistants during each phase of the research

07/2010 – 09/2010
Manipal, India

MANIPAL INSTITUTE OF TECHNOLOGY
Research Intern
- Collaborated with several Professors from MIT-India
- Analysed data from ECG signals of people with heart abnormalities
- Extracted key insights from the data and presented findings in various formats

09/2010 – 10/2010
Jieh, Lebanon

S. & A.S. Co. Ltd
Engineering Intern
- Worked on implementing a control mechanism for a permanent magnet synchronous motor
- Worked alongside other employees in downloading programs and testing of manufactured boards

EDUCATION

2013 – 2019

AMERICAN UNIVERSITY OF BEIRUT — Ph.D.
- Dissertation: Crowdsourcing for Mobile Security: Modelling, Psychological Bias, and Performance of Aggregation Methods
- Majored in Software, Networking and Security
- Published 15 peer-reviewed articles with over 60 citations
- Received the TELUS Corp. doctoral fellowship
- Received the CNRS/AUB PhD scholarship
- Received the CTL certificate of teaching excellence
- Maintained an instructor ICE score in the 90th percentile
- 4.0 GPA

2011 – 2013

AMERICAN UNIVERSITY OF BEIRUT — ME
- Thesis: Energy Efficient Motion Estimation Using Stochastic Processing for Video Conferencing Applications
- Selected as part of Intel's Middle East energy efficiency research project

2007 – 2011

AMERICAN UNIVERSITY OF BEIRUT — BE
- Majored in Electrical & Computer Engineering
- Related Coursework: Machine Learning, Data Science, Databases, Algorithms, Programming
- Dean's List Honouree

SERVICE & VOLUNTEER WORK

- Volunteered with AUB ASCE in a two-week project aimed to renovate a school in Ambalangoda, Sri Lanka and teach underprivileged kids elementary English and Mathematics
- Organized Positive Hack Days Everywhere at AUB in collaboration with the Networking and Security Research Group and IEEE Lebanon Section
- Volunteered at a Night School program organized by the Civic Welfare League club that teaches AUB employees elementary English and Mathematics
- Elected Vice President of the ECE Student Graduate Committee
- Member of the IEEE Student Branch at AUB