Fatima Fneich

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ABOUT

Junior Analyst with hands-on experience supporting compliance systems and financial messaging platforms, including Firco Continuity and SWIFT infrastructure. Skilled in workflow configuration, sanctions list management, and multi-stage filtering of financial messages. Strong foundation in data analysis, simulation techniques, and troubleshooting gained through both academic research and technical support roles. Quick to adapt, detail-oriented, and highly motivated by data-driven processes and financial technology environments.

EDUCATION

American University of Beirut
Master's in computational science   **2020 – 2025**, Lebanon
Relevant Courses Taken: Neural Networks, Machine Learning, Computational Physics, Discretization Method for Differential equations, Optimization & Non-Linear Problem, Intro. to Stochastic Processes
Graduate Assistant Full Scholarship
GPA: 3.57
Lebanese University   **2018 - 2019**, Lebanon
Master 1 in General Physics
Lebanese University   **2012 - 2016**, Lebanon
Bachelor of Science in General Physics

TEACHING AND RESEARCH EXPERIENCE

AEG, Junior Application Support Analyst   **06/2025 – Present**, Lebanon
Position held: Compliance Systems Support (Firco)– Compliance Dept

- Supporting both backend (server-level) and frontend (application-level) operations for the Firco Continuity platform.
- Managing workflow configurations based on bank-specific requirements, including the creation of states, transitions, user profiles, and access rights.
- Working with Firco FMM for importing/exporting sanctions lists and FML for routing, rule configuration, and applying multi-stage filtering (pre-filter, in-filter, post-filter) on financial messages.

Allied Engineering Group (AEG)   **06/2024-06/2025,** Lebanon
Position held: SWIFT IT Operator – Service Bureau Dept.

- Performed database recovery, scheduled system backups, and disk space monitoring across multiple secure
- Configured and monitored SWIFT messaging infrastructure, including FIN, MX, and MT2ISO routing rules
- Provided first-level user support**:** user access provisioning**,** password resets**,** unlock/lock accounts, and ensured compliance with internal security protocols
- Conducted log analysis and performed basic troubleshooting for network connectivity, and platform-level issues
- Assisted in monitoring message queues, ensuring smooth message flow and timely issue escalation

American University of Beirut, Mathematics Department   **10/2023 to 1/2024**, Lebanon
Position held: *Research Assistant*

- Testing the performance (runtime and convergence) of different methods for solving the inverse problem resulting from the calibration of mathematical model to Tumor Growth research

American University of Beirut, Maroun Semaan Faculty of Engineering and Architecture 10/2023 ,Lebanon
Artificial Intelligence and Data Science Program
Position Held: Teaching Assistant
- Organized interactive remote Q&A sessions for students and assisted in teaching a machine learning course

American University of Beirut, Computer Science Department   **7/2023 - 8/2023**, Lebanon
Position held: Research Assistant
- Machine Learning Research: Fine-tuned the AraBART model for post OCR correction in Arabic
- Performed an in-depth analysis of research findings
- Addressed computational challenges pertaining to our dataset by optimizing the training script

American University of Beirut, Computer Science Department   **1/2019 - 5/2022**, Lebanon
Position held: Teaching Assistant
- Taught Discrete Structure course and conducted weekly recitation sessions for a group of 50 students

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INTERNSHIP
Ganil   **1/6/2017-1/7/2017,** Caen, France
Contributed to theoretical modeling and statistical data processing in nuclear physics

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PROJECTS
- Images Into Arabic speech: creating an end-to-end model that converts images into Arabic speech
- Translation Model: Developing a Word-Level to translate from English to Arabic
- Automate Recognition of Leaders in News Content: developing a model for image classification
- Reconstruction of Images from X-ray Projections: utilizing optimization techniques to achieve sparse tomography

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SKILLS
Financial Systems & Messaging: SWIFT Messaging (FIN, MX, MT2ISO), Message Routing & Configuration, Sanctions Filtering (Firco FML/FUM/FMM), Batch & Real-Time, Processing User Access Management
Infrastructure & Support: System Monitoring & Log Analysis, Database Backup & Recovery, Basic Troubleshooting, Server Backups & Disk Monitoring
Programming & Tools: Python, SQL, XML, XSLT, XPath, Tableau, MATLAB, C++, LaTeX
IT Infrastructure: Server Backups, Disk monitoring, Database Recovery
Data & Analytics: Data Modeling, Visualization, Statistical Analysis, Machine Learning Models
Soft Skills: Problem-Solving, Research & Documentation, Time Management, Team Collaboration, Adaptability & Learning Agility.
Languages: Arabic (native), English (fluent), French (fluent)