HADI HAMOUD

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EDUCATION

American University of Beirut Aug 2018 - Aug 2022
Bachelor of Engineering in Computer and Communications

EXPERIENCE

Data Scientist Mar 2023 -
Arab Center for Research and Policy Studies Doha, Qatar

- Currently in the Digital Research Unit, under Prof. Fadi Zaraket.

EECE 230X AUB Teaching Assistant — *Python* Jan 2022 - May 2022
American University Of Beirut Beirut, Lebanon

- Worked with Prof. Louay Bazzi as a teaching assistant representative for the new introduction to programming format that is open for enrollment for non-AUB participants. Managed office hours for more than 500 enrolled students and provided weekly reports concerning common questions and best coding practices.

Enterprise Solutions & Cloud Consultant Intern — *SAP CLOUD, Azure, AWS* Jul 2021 - Oct 2021
KPMG Lower Gulf Limited Dubai, UAE

- Composed technical and commercial proposals for clients from multiple industries.
- Assisted in Customer Relations Management implementation project for a major UAE government entity.
- Developed Enterprise Resource Planning deliverables to present to KPMG clients while abiding to best practices.
- Supported the development of the KPMG-SAP service offering deck.
- Participated in the full life cycle of an ERP selection and assessment project.

Fintech Software Engineering Intern — *C, UNIX, MySQL, Javascript* Aug 2020 - Nov 2020
Areeba S.A.L. Beirut, Lebanon

- Analyzed, designed, and implemented a solution for mobile push notification service migration for Bank Audi across Oracle DB, UNIX dedicated server, and the Audi Banking App.
- Assisted in the configuration and the support of ATM setup and flow.
- Assisted in the implementation of OCT and AFT methods for VISA Direct following best practices, on database and server.

PROJECTS AND CERTIFICATES

- **DAVE: Differential Analysis Visualizer for Electronic Medical Records (EMRs) -** Winner of the 2022 Murex Best Software Collaboration Final Year Project. Published at EACL 2023. It is a clinical note analysis application that relates practitioners' notes to textbook clinical diagnostic algorithms using Natural Language Processing and machine learning. www.davemr.com
  Python, NLP, NLTK, DISCO, SpaCy, pandas, React, node.js, typescript, Redis, Heroku, cytoscape.js

- **InOrOut -** Event-posting platform for people to build friendships based on common interests.
  Kotlin, Java, Python, Android Studio, RetroFit APIs, FastAPI, PostgreSQL, SQLAlchemy, Pydantic, Alembic Migrations

- **Miettes D'art -** E-commerce platform for a local Lebanese Jewelery Business. Includes fully customizable content management system (CMS), newsletter implementation, fallback and mailing system www.miettesdart.com
  AWS Lightsail, Bitnami, Django, Postges SQL, HTML, CSS, Javascript

- **ShopiDetect -** Machine-learning SVM based web application that takes as input a URL, extracts, and analyzes several features including domain and other web elements to produce a True/False output regarding the website's safety.
  Sklearn, SVM , Python, Keras, FastAPI, React.js, PostgreSQL

- **AUBVax and Libms -** Fully functional Covid-19 vaccination mobile application for AUB students and Library Management System with student-employee-admin privileges and secure verification components.
  Python, Django Framework - MVC, HTML, CSS, Javascript, SQLite, Agile development

- **Speech Therapy Methods -** Language and text processing algorithm that helps speech therapists analyze spoken and written text for their patients by calculating various statistical measures (TTR, MATTR, MTLD...). Said measures greatly help in speech pathology research and applications.
  Python, R, PyTorch, plotly

- **NVIDIA Accelerating Data Engineering Pipelines Course -** Scaling an ETL pipeline with multiple GPUs using NVTabular, with parquet, csv, and JSON datasets.
  Pandas, cuDF, Dask, NVTabular, Plotly