Meghry Tchangoulian, MS
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Career Objective:
I am eager to build a long-term career in software engineering, mobile application development, data science and data management. Looking for a position that provides ample opportunity to develop problem-solving skills and advance my abilities in the above-mentioned roles.

Work Experience:
Part Time Computer Science Instructor, Haigazian University, August 2023 – Present
- Taught Advanced Programming and Data Structures in Java for the Fall and Spring semesters. Guided the students for a group project where they implemented what they learned in class.
- Taught Professional and Social Issues in Computing for the Spring semester. Guided the students for a research paper where they researched and gathered data about relevant ethical issues in the IT world.
- Taught Introduction to Computers for the Fall semester where the students learned about basic computer concepts in addition to MS Word, MS Excel, HTML and VB.net.

Part Time Online Shop Administrator, Jack Gifts Accessories, December 2021- February 2024
- Used Shopify to manage the store website (design, products, applications) and created content.
- Performed data entry for the products and utilized Search Engine Optimization (SEO) techniques.
- Performed data entry for GoFrugal to manage the inventory and used FoxitPro for accounting purposes.
- Packaged orders, restocked items and provided customer support.
- Sent promotional marketing emails and SMS messages to clients.
- Performed data entry for the products.
- Performed research on recent trends in the use of new software, tools, or techniques to improve sales and performance of the website.

Part Time Computer Science Instructor, Lebanese American University, January 2021 - May 2023
- Taught an introductory computer science course regarding some concepts in information technology, MS PowerPoint, MS Excel, and MS Word.
- Taught a python and java programming lab and coordinated with the course instructors in the development of the lab content.
- Taught a Computer Organization (CO) lab in the Spring semester of 2022.

Full Time Graduate Assistant, Lebanese American University, January 2021 - May 2023
- Assisted undergraduate students in several computer science labs such as algorithms, python programming, java programming and operating systems.
- Proctored and assisted in exam corrections.

IT-Intern, Quick Solutions, June 2019 – July 2019.
- Set up computers for use, installed windows, and set up the software developed by the company to be used by the Municipality accountants.
- Used Skwid, a content management system, and edited the content of websites.
- Troubleshooted some technical problems when setting up systems.

Education:
- Master of Science, Computer Science   April/2024
  Lebanese American University, Lebanon
  Awarded with a 75% scholarship

- Bachelor of Science, Computer Science   May/2020
  Haigazian University
  Magna Cum Laude

- Baccalaureate   2016
  Tarouhy Hovagimian

Skills:

- Proficient in:
    - Java programming.
    - Python programming
    - C# programming
    - SQL
    - NoSQL
- Knowledge of managing databases
- Experience with Mobile Application Development (Java, MySqLite and Firebase)
- Experience with Natural Language Processing techniques (data cleaning, data prepossessing, data labelling and sentiment analysis)
- Experience with Machine Learning (scikit-learn, pickle, and panadas libraries, scraping and visualizing data, using several machine learning algorithms and analyzing data)
- Basic Knowledge in Artificial Intelligence
- Basic Knowledge in ArcGIS
- Basic Knowledge in Overleaf
- Proficient in Microsoft Office (Word, Excel, and PowerPoint)
- Familiar with Agile software development techniques
- Attention to detail, ability to function in an atmosphere of constant change (adaptability).
- Time management.
- Can quickly build credibility.
- Sensitive to the needs of others and the ability to work as part of virtual or international team.
- Oral and written communication skills.
- Multi-tasking as well as ability to manage deadlines in a dynamic, fast paced environment, with a sense of urgency.
- Ability to teach/train people to use a specific software tool or programming concept.

Languages:
- English (Native Proficiency)
- Arabic (Excellent Command- Near Native Proficiency)
- Armenian (Native Proficiency)

Projects:
- Going Back to Basics: Using the Clock Algorithm with SACCS, Lebanese American University, April 2024
    - Performed a comparative analysis by testing out an existing caching framework (SACCS) with three other replacement algorithms for my Masters project. Showed that one of the tested algorithms is an improvement over the others.

- Detecting Toxic Feminism in Social Media: NLP-Based Tweet Analysis, Lebanese American University, December 2022
  - Performed a research project on Twitter Data for identifying sexism towards men. Data scraping, data labelling, several data pre-processing, data visualization and several machine learning algorithms were used.
- Client-Server Project, Lebanese American University, April 2022
  - Developed a small Java Client-Server project while utilizing the IMDB API.
- Sentiment Analysis of Tweets Regarding Covid-19, Lebanese American University, April 2022
  - Performed a research project on Twitter Data for identifying the sentiment of people regarding COVID-19 after the development of the vaccine. Several data pre-processing and natural language processing algorithms were used.

- Hello Beauty, Haigazian University, May 2020
  - Developed an android mobile application called 'Hello Beauty', for my BS capstone project, using Java and Firebase. The application acts as a review, directory and booking platform for beauty parlors.

Extra-curricular Activities:
- Lab Assistant, Haigazian University, October 2016 – May 2020
  - Assisted students if they faced an issue with the lab computers and helped them with their questions.
- Bookkeeper, Computer Science Club at Haigazian University, October 2016- May 2019
- Participant, Creative Writing Workshop at Lebanese American University, June 2015
  - Participated in a creative writing workshop for 3 days developed by the university.
  - Participant, Iowa Writing Program, July 2014
    - Participated in a 2-week creative writing workshop sponsored by the American Embassy in the state of Iowa in both Arabic and English.
    - Had a cultural exchange with other students coming from different cultural backgrounds.
  - Participant, Modal United Nations at Lebanese American University, 2014
    - Participated in the Modal United nations and learned how it functions and how to cooperate and compromise with others.

References: Available upon request