**Rami I. Ibrahimi**

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Certified AI professional with an engineering background and an MBA, transitioning from product operations to machine learning operations and engineering. Hands-on experience in building predictive models, big data manipulation, and managing cross-functional teams

**Technical skills**

* *Programming Languages:* Python, JavaScript, SQL, C
* *Machine Learning:* TensorFlow, Keras, Scikit-learn, PyTorch
* *Data Science:* Pandas, NumPy, Matplotlib, Jupyter
* *Cloud Platforms:* AWS (SageMaker, EC2), Google Cloud
* *DevOps & Tools:* Docker, Git, Kubernetes, Vue.js

**professional experience**

**Google LLC 2018-2023**

***Product Operations T/ Program Manager – Phones (2019-2023)* Mountain View, CA**

* Managed overseas team of data scientists to deliver machine learning predictive models for return rates & manufacturing cell qualification resulting in reduction of 15% in qualification costs
* Created and executed new process for management of OpEx product costs in tandem with cross-regional team resulting in $3.5 million and $7 million in savings for Pixel 2020 and Pixel 2021 respectively
* Drove product headcount resource management for 8 Pixel devices from concept through end of life
* Managed non-device costs for Wearables business unit totaling $150 million annually
* Led early engagement Product investigation and feature definition for a new segment Pixel device

***Hardware, Product Operations MBA Intern – Phones (Summer 2018)* Mountain View, CA**

* Designed and implemented new process for Inventory Management Forum for next-gen flagship Pixel devices resulting in complete automation of the process and 80% reduction in work load
* Established standard Key Part Release and Master Production Schedule model and input templates
* Completely restructured Clear to Build management process leading to strategic SKU-level visibility

**Philip Morris International 2013-2017**

***Operations Planning Analyst (2015-2017)* Izmir, Turkey**

* Selected out of 50 candidates for leadership development assignment to the Turkish affiliate, the cluster head for EMEA region and the largest CPG in Turkey
* Directed cross-functional domestic and international project team in successful resolution of a defective company-wide data mining and reporting tool in support of 40 production line operations representing annual volume of 70 billion sticks
* Led cross-functional effort across five teams to successfully launch the first export project for 23 new products across eight new African markets representing 15% of annual volume
* Supervised the operations team for the revamp of seven strategic products including Marlboro and L&M brands achieving 100% hit rate for in-market-sales timeline requirements

***Process Engineer (2014-2015)* Amman, Jordan**

* Led two five-person teams on two production facility operations improvement projects, setting four new all-time records and achieving recognition for two key performance indicators
* Initiated factory inventory management and categorization process for spare parts and raw materials resulting in the reduction local inventory by $1 million representing 40% of total inventory; received Philip Morris International Above and Beyond the Call of Duty award

***Electrical Engineer (2013-2014)* Amman, Jordan**

* Designed and installed track and trace weight measurement system

**Education**

**Columbia University Engineering AI Bootcamp New York, NY**

*Certificate in Artificial Intelligence and Machine Learning, June 2024*

* Key skills: Python, Pandas, TensorFlow, Keras, Scikit-learn, NLP, Computer Vision
* Projects: Developed a sentiment analysis model using NLP techniques; built a convolutional neural network for image classification; analyzed machine failure data using multivariate analysis to identify key contributors

**University of Virginia Darden School of Business Charlottesville, VA**

*Master of Business Administration, May 2019*

* GMAT: 720
* Darden Foundation Scholarship: Awarded merit-based scholarship recognizing academic excellence
* Clubs: Consulting, Technology, Finance, Adam Smith Society, and Soccer

**University of Jordan Amman, Jordan**

*Bachelor of Science in**Mechatronics Engineering, Jan 2013*

* Key skills: Embedded Systems, Microcontroller Programming, Assembly Language, Robotics
* Volunteering: lecturer for Assembly & Microprocessors and Design of Embedded Systems classes

**selected technical projects**

***Auto Transcribe and Translate (Mar 2024 - present)***

*Python, NLP, Jupyter, spaCy, pydub, PyTorch, OpenAI API, Google STT API*

* Developed an advanced tool converting spoken language in videos into written subtitles in any desired language
* Achieved a Word Error Rate (WER) of 5%, improving transcription accuracy by 20% over baseline models.
* Leveraged Google’s Chirp models and OpenAI’s Whisper for broad language coverage and high accuracy, implementing DTW (Dynamic Time Warping) for effective subtitle alignment and consolidation
* Implemented backend AI prompting techniques to refine transcriptions, reducing errors by 15% and enhancing clarity and readability.

***GPT Interface (Jun 2023 - present)***

*Vue.js, Flask, FastAPI, Webpack, Pydantic, SQLite, SQLAlchemy, Poetry, Redis, OpenAI API, Gemini API*

* Built a full-stack AI-powered application integrating GPT models using OpenAI and Gemini APIs.
* Focused on self-education and skill development, mastering end-to-end development from frontend (Vue.js) to backend (Flask, FastAPI, SQLAlchemy)
* Implemented caching with Redis, reducing API response latency by 40% and decreasing server load by 30% for efficient model response handling and scalability.

***Battery Management System (Jan 2023 - Jun 2023)***

*Python, C, STM32, ADC, FRAM, Wi-Fi, Kalman Filter, Active Cell Balancing*

* Designed a BMS for a 10S3P battery pack utilizing Epoch 21700 cells with active cell balancing and advanced protection mechanisms, increasing battery life by 20% and reducing cell imbalance by 25%.
* Developed a hybrid memory management system using the MCU flash, FRAM, and an SD card to manage high-frequency data logging and efficient communication to cloud servers
* Optimized the system for real-time data handling, advanced cell protection, and wireless updates, improving overall system efficiency by 30% and reducing maintenance time by 40%.

**Additional Information & professional development**

* Dual Citizenship: United States & Jordan
* Bilingual proficiency in English and Arabic, and basic proficiency in Turkish
* Soccer midfielder & mountain biker, interested in post-classical history and Oxford Union debates
* PEARSON certified Smartphone developer