

Bassam MEJLAOUI (SAM J)

(+212) 634-683893 | mejlaouibassam@gmail.com | [Linkedin](#) | [Github](#) | [Leetcode](#) | [Medium](#) | [Website](#) | [Scholar](#)

SUMMARY

I'm an AI and Data Science leader Evangelist with Stanford and Harvard roots and 8+ years building advanced ML systems. Founder of HirexusAI and Chief AI Officer at Sam AI, driving innovation from design to GTM. Expert in quantum NLP, digital twins, neuroinformatics, and AI at scale. Ex-Apple, Meta, Microsoft, Amazon.

EXPERIENCE

AI Open Source Engineer & Contributor – Meta (Facebook)

05/2025 – Present

- Contribute strategically to Meta's open-source ecosystem, advancing AI frameworks, developer platforms, and distributed infrastructure.
- Partner with Meta engineers and global collaborators to architect robust features and optimize system performance.
- Authored and merged high-impact code adopted into flagship repositories, strengthening Meta's open-source technology stack.

Entrepreneur in Residence – Y Combinator

04/2025 – Present

- Selected for Y Combinator's Startup School, building ResuHire X Hirexus AI, an AI-powered platform that accelerates job seekers' rehiring by 30% through resume insights and employer matching.
- Conducted 50+ market research interviews, refining MVP using lean startup methodology and YC frameworks, leading to a 40% increase in product validation and user engagement.
- Collaborated with 200+ global early-stage founders, refining pitch, product positioning, and go-to-market strategy through weekly feedback sessions, improving startup growth trajectory by 25%.

Head of Artificial Intelligence & Data Science – Hirexus AI

01/2025 – Present

- Led cross-functional teams of 10+ in developing scalable ML/NLP solutions for recruitment platforms, boosting candidate-job matching accuracy by 45% and reducing time-to-hire by 30%.
- Spearheaded AI strategy execution across 3 core product lines, deploying predictive analytics systems that improved hiring outcomes by 50% and aligned with C-suite business objectives.
- Mentored a team of 6 data scientists and engineers while implementing ethical AI and data governance practices, increasing model transparency and compliance by 60%.

Co-Founder – Hirexus AI

01/2025 – Present

- Co-founded Hirexus AI, an AI-driven resume optimization and job-matching platform that increased user interview rates by 60% through smart ATS scanning, persuasive writing tips, and intelligent job matching.
- Led a cross-functional team of 12 (engineers, data scientists, and coaches), defined product vision, and drove GTM strategy—resulting in 40% month-over-month user growth and key partnerships with 10+ recruiting platforms.
- Secured initial funding and scaled product innovation by integrating resume scoring, XYZ-style storytelling, and smart templates, enhancing user engagement and platform retention by 55%.

Head of Employer Branding & Talent Insights – ResuHire

06/2024 – Present

- Led global employer branding strategies across MENA, Europe, and the USA, positioning ResuHire as a top-tier talent acquisition platform and boosting candidate engagement by 25%.
- Reduced time-to-hire by 30% through data-driven recruitment insights and process optimization, significantly enhancing the end-to-end candidate experience.
- Redefined the employee value proposition in collaboration with HR and marketing teams, increasing internal engagement and brand advocacy by 15%.

Chief Executive Officer (CEO) – ResuHire

06/2024 – Present

- Defined and executed strategic initiatives that grew ResuHire's market share by 40% within 5 months across MENA, Europe, and the USA.
- Forged partnerships with 150+ companies, delivering tailored hiring solutions and achieving an 85% client retention rate.
- Streamlined recruitment operations, cutting time-to-hire by 30% and improving candidate satisfaction scores by 25%.

Head of Financial Strategy and Data Analytics – FinData Analytics

05/2023 - Present

- Optimized profitability through rigorous cost-volume-profit analysis, resulting in a 12% increase in product line profitability, contributing an additional \$2M to annual revenue.
- Championed the launch of AI-driven platforms that improved forecasting accuracy by 60%, leading to enhanced decision-making capabilities for over 200 financial institutions and securing an additional \$5M in revenue within the first year.
- Directed comprehensive financial strategy initiatives, achieving a 95% accuracy rate in bond and stock valuations across a \$500M portfolio, which enhanced investor confidence and satisfaction.

Chief Artificial Intelligence Officer (CAIO) – Sam AI

03/2021 - Present

- Pioneered the development of an AI strategy, resulting in a 40% increase in innovation-driven projects and generating \$5M in new revenue streams within the first year.
- Orchestrated the integration of AI solutions across operational workflows, leading to a 30% reduction in resource usage and enhancing overall productivity by 25%.
- Championed R&D initiatives for AI model enhancements, elevating accuracy rates by 15% and expanding applicability across three major business units, ultimately contributing to an estimated cost savings of \$500K annually.

Director of AI & Language Technologies – LinguaData

11/2019 - Present

- Facilitated collaboration among diverse cross-functional teams to design and deploy scalable language solutions that efficiently processed over 50,000 multilingual user requests monthly, enhancing overall user satisfaction by 20%.
- Directed the integration of Large Language Models (LLMs) into enterprise applications, resulting in a significant reduction of manual processing efforts by 40%, saving approximately 15,000 labor hours each quarter.
- Spearheaded the development of advanced AI-driven language solutions, achieving a 30% improvement in translation accuracy and contextual understanding across over 1 million documents annually.

Head of Digital Transformation, Chief Product Officer (CPO) – Sam Agency

07/2017 - Present

- Led cross-functional teams of over 50 professionals to seamlessly integrate AI, machine learning, and cloud technologies into existing systems, modernizing workflows and enhancing data accessibility for more than 1,000 users.
- Spearheaded comprehensive digital transformation initiatives, achieving a 25% boost in operational efficiency across 15 departments by implementing AI-driven automation tools that processed over 2 million transactions annually.
- Directed the development of an AI-powered product strategy that resulted in a 40% increase in market penetration, capturing an additional 150,000 users within one fiscal year.

SKILLS

- *Programming Languages:* Python, R, SQL, Java, Julia, Matlab, Scala, Rust, Perl, TCL, Erlang/Elixir, Wolfram, C, C++, JavaScript, XML.
- *Tools & Frameworks:* Proficient in machine learning and AI tools (Keras, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy), data visualization and BI tools (Tableau, Power BI, Matplotlib, Seaborn), and big data technologies (Apache Spark, Hadoop, DynamoDB).
- *Core Competencies:* Strategic Trading Systems, Machine Learning, Artificial Intelligence, Natural Language Processing.
- *Languages:* Arabic, German, English, French, and Italian.

EDUCATION

WorldQuant University

(Expected Graduation: Jan 2027)

Master of Science (M.SFE), Financial Engineering | *Minor:* Computational Finance
Coursework: Risk Management, Optimization, Data Science, Machine Learning, Statistical Analysis, Algorithmic Trading
Additional Focus Areas:
Applied Artificial Intelligence (incl. Deep Learning for Computer Vision)
Applied Data Science (incl. Machine Learning)

University of The People

(Ongoing – Expected Graduation: 2026)

Bachelor of Science (B.Sc), Computer Science | *Minor:* Clinical Data Analyst
Coursework: Computer Science, Programming, Data Structures, Algorithms, Computer Systems, Networking, Database Management, Software Engineering

Stanford University, Stanford School of Medicine
Health Informatics | *Minors:* Biomedical Data Science; Deep Learning and AI for Healthcare.
Coursework: AI in Medicine, Neural Networks, Large Language Models, Bioinformatics, Genomics, Medical Data Science, Imaging & Wearable Data, Surgical Robotics, Cloud Computing.

Harvard University, Harvard Business School
Business & Social Impact | *Minor:* Personal & Professional Development
Coursework: Leadership and Decision-Making, Critical Thinking and Problem-Solving, Business Innovation and Social Entrepreneurship, Communication and Public Speaking, Networking and Career Development

Ibn Tofail University
Bachelor of Arts (B.A.), Linguistics – Incomplete
Took a leave of absence to focus on founding Reshure and Hirexus AI.
Research: “**Computational linguistics roles in developing Artificial Intelligence**”
Associate of Art (A.A), Language Sciences and Literary Computing | *Minors:* Computational Linguistics, Natural Language Processing
Awards: HCIA-Cloud Computing V5.0, HCIA-Big Data V3.0, HCIA-Cloud Service V3.0, HCIA-Datacom V1.0, HCIA AI V3.5

RESEARCH INTERESTS

Neuroinformatics, Brain-Machine Interfaces, Digital Twin Technology, Quantum NLP, Algorithmic Governance, AI Alignment, Ethical AI, Computational Linguistics, and Cryptologic Language Analytics.