

Ion Nemteanu

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Hands-on AI executive with practical experience delivering machine learning within software products. Focused on leveraging trends in technology to solve problems and deliver value with a passion building AI for lasting impact. Delivers AI products using Agile practices to users inside and out of organizations including students, clinicians, and scientists. Experience building generative AI into products and driving businesses to scale.

SKILLS

- 20+ years of leadership and management experience across global organizations and SMEs.
- 10+ years of experience in education, developing curriculum, improving student experiences, and learning platforms.
- Product management expertise in delivering AI initiatives across multiple industries including higher learning, life sciences, healthcare, biotech, cyber, and telecom.
- Technical proficiency in Python, R, SQL, cloud technologies including AWS, Azure, Cloudflare, Databricks as well as Agile software development.
- In-depth knowledge and proficiency with machine learning techniques, including LLM, deep learning, natural language processing, and LLMs, time series, and scientific assessments of performance like A/B testing and model agnostic techniques.
- Excellent communication skills. Direct experience with executive stakeholder communication and stakeholder alignment.

WORK EXPERIENCE

President / Chief Data Scientist | Nemsee LLC | Sep 2024 – Current, Escondido CA

- Leads AI consulting practice specializing in AI policy development, AI engineering, and specialized management consulting, providing tailored, responsible, and actionable AI solutions to small and medium-sized businesses.
- Develops AI-driven products to off-shore real estate buyers, designing and deploying AI products that enhance experience with streamlined search processes leveraging LLM API with cloud based web-scraping tools and integration with social media.
- Leverages LLMs (Llama, ChatGPT, Anthropic, RAG's) to enhance AI LLM interactions with special organizational data and other AI capabilities to stream unstructured data into robust datasets for chatbots, data management, data labeling, and product capabilities.
- Develops and implements end-to-end AI strategies for clients, including model development, deployment, and ethical policy, ensuring compliance, technical rigor, and tangible real-world impact across diverse industries.
- Develops modular python web application to showcase a collection of Python mini-apps, enabling seamless integration of small-scale tools and scripts.
- Configures and deploys cloud databases like Postgres, SQLite, MySQL, Databricks, Hadoop, with machine learning capabilities within client cloud services.
- Streamlines deployment processes for applications leveraging automated scripts and containerization to ensure efficient and consistent delivery.
- Delivers keynote presentations for data science industry events, sharing expertise on AI, machine learning, and responsible AI practices.
- Hosts panel discussions with thought leaders in technology and analytics, driving conversations on data ethics, transparency, equity in AI, best business practices, and impact measurement to ensure responsible and measurable outcomes for AI initiatives.
- Records and produces content related AI topics on thought leadership, responsible and empathetic use-case demonstrations for a global audience showcasing real-world AI applications in industries such as healthcare, life sciences, higher-learning and education, non-profits, public, and commercial applications.

Executive Director, Master of Business Analytics Programs | University of California, San Diego (UCSD), CA | Nov 2022 – June 2024

- Developed comprehensive AI strategy within Rady School of Management to integrate generative AI into data science coursework to broaden student reach and enhance student experience.
- Leveraged AI-powered adaptive learning for graduate students, to upskill for improved performance and enhance internship placement through personalized interview prep platforms.

- Applied AI-driven personalization to improve student learning experiences, curriculum development, and student assessment. Integrated AI into the curriculum with industry projects focusing on using generative AI to scale to drive student and industry engagement.
- Collaborated with faculty to design and deliver video series, introducing one of the first AI-assisted business analytics programs and showcasing its innovative approach to integrating AI into decision-making and education.
- Was responsible for the long-term strategy and success of the Business Analytics Graduate Program Division, including student acquisition, hiring professors, administration, marketing, growth, and student experience.
- Increased network of industry sponsors for consulting projects to provide real-world problems for students to solve using AI and data science practices.
- Managed over 30+ AI consulting projects per quarter across diverse industries including healthcare, life sciences, advertising, sports, and non-profits. Project examples available upon request.

Senior Director of Data Sciences and Market Intelligence | Thermo Fisher Scientific, Carlsbad, CA | Jan 2019 – Dec 2022

- Spearheaded enterprise-wide data science initiatives that delivered machine learning solutions, software, and market intelligence, driving over \$250 million in annual revenue and achieving >55% YoY growth.
- Defined AI feature backlog, user stories, and success criteria to align AI-driven solutions with business goals. Initiated C-Suite alignment process to align initiatives with business goals. Performed executive presentations and demonstrated impact.
- Designed and deployed AWS and Databricks cloud infrastructure, empowering internal teams to generate advanced customer insights, streamlined sales cycles, expand market reach, improve inventories, and enhance customer engagement.
- Developed AI product roadmaps, managed agile sprint planning, and coordinated multi-stakeholder prioritization using Jira and Confluence.
- Directed the development and deployment of machine learning algorithms for customer behavior prediction, enabling personalized user experiences across digital platforms. Delivered Customer Lifetime Modeling process to measure impact with data science initiatives through A/B Testing.
- Defined and executed a strategic vision for data science capabilities, aligning with commercial objectives and go-to-market strategies to support growth and product innovation.
- Led peer review and mentoring, ensuring quality and impact across projects and fostering a collaborative data science culture. Modeling examples include deep learning, TensorFlow, CNN, Prophet, Cosign Similarity, scikit-learn, XGBoost, Pytorch, Random Forest, and many more.
- Unified AI-driven initiatives company-wide, ensuring strategic alignment and reinforcing the organization's commitment to innovative, data-led growth.
- Presented quarterly performance reports to executive leadership, illustrating the measurable impact of data science on key business metrics and growth.
- Orchestrated the development and management of Sales Operations AI products used by 3,000+ internal users, leveraging AWS serverless architecture, SageMaker, Lambda, and API functions to ensure scalability and accessibility across teams.

Manager of Data Science | BD (Becton Dickinson), San Diego, CA | Feb 2013 – Dec 2018

- Partnered with R&D, marketing, and business units to identify AI opportunities that supported strategic objectives, such as improving patient outcomes or reducing healthcare costs.
- Built data science team with realigned analytics team to delivered timely, high-quality AI enabled healthcare products that provided insights and recommended actions to clinical staff that improve medication efficiency and effectiveness.
- Established and scaled cloud-based AI products for clinician decision support with machine learning algorithms to predict drug diversion (outlier detection), drug inventory levels (optimization), and neural networks.
- Led partnerships and engagements with top-tier consultants (Microsoft, KPMG, etc.) to scale AI capabilities to the cloud and automate ML pipelines.
- Used SQL and object-oriented languages (e.g., Python, R) to automate process and create data pipelines.
- Developed and maintained data science processes and released new algorithms in sync with broader software development initiatives.
- Coached, mentored, and developed data science staff and evangelized AI to organization wide audiences.

Data Scientist / Product Owner | Ntrepid, San Diego, CA | Dec 2011 – Feb 2013

- Led dual responsibilities by identifying data science opportunities across the organization and developing predictive models to solve business challenges and inform decision-making.
- Developed and deployed predictive models that utilized machine learning techniques to address business challenges in areas such as IT operations, Customer segmentation, and predicting outages and downtime.
- Provided strategic guidance by combining analytical insights with business acumen to advise leadership on key initiatives and data-driven decision-making.
- Translated business requirements into actionable data products, working cross-functionally to integrate analytical insights into strategic initiatives.
- Engaged with executive-level stakeholders to align product vision and roadmap for AI products.

Director of Analytics | ProfitLine, Inc., San Diego, CA | Apr 2007 - Dec 2011

- Led a team of telecom audit and mobility analysts to deliver actionable insights, optimizing telecom and mobility expenses across enterprise clients generating over \$24M in revenue.
- Developed and implemented algorithms to identify overspending, fraud, and optimization opportunities, saving clients millions annually through advanced analytics. Recovered over \$500 million in erroneous billing for Fortune 500 organizations.
- Built proprietary software solutions enabling customers to interact seamlessly with analytic services, enhancing user engagement and operational efficiency.
- Spearheaded customer engagement and strategy initiatives, collaborating with stakeholders to align analytics solutions with business objectives and drive measurable impact.
- Launched data-driven analytic products that combined early data science techniques with domain expertise, scaling enterprise-level decision-making capabilities.
- Streamlined operations through data automation and advanced algorithms, reducing manual efforts and increasing team efficiency by 30%.

HIGHER LEARNING EXPERIENCE

University of California, San Diego (UCSD) Rady School of Management | Nov 2022 - Present

- Faculty Professor for Master of Science in Business Analytics Projects - Instruct several groups of students over 12 week consulting course to provide discover, collect requirements, build roadmap, and deliver AI product that support business problems. Provides code and peer review, executive guidance, presentation coaching, and assessment.

University of San Diego (USD) – Shirley Marcos School of Engineering | Nov 2019 - Feb 2023

- Faculty for students in Master of Data Science Program with instruction including business case studies, machine learning principles, ethical best practices, statistics, A/B testing .

University of California, San Diego (UCSD) Extension | Sept 2016 - Feb 2023

- Built and maintains course content and curriculum. Instruct students enrolled in the Data Mining Certificate Text Mining Course.

EDUCATION

- **Northwestern University** - Master of Science in Data Science
- **California State University, San Marcos** - Bachelor of Science in Business Administration, High Technology Management

CERTIFICATIONS

- SCRUM ALLIANCE Certified Scrum Product Owner (CSPO)