

# GABRIELE ANSALDO

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## EDUCATION

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- MSc. in Engineering Management**, Northeastern University, Boston, MA, USA 12/23  
Summa Cum Laude, GPA 4.0/4.0  
*Thesis*: “Integrating Large Language Models into Agent-Based Analysis of Policy Interventions in EV Adoption” (Link)
- MSc. in Mechanical Engineering, Track: Multi-Machine**, TU Delft, Delft, The Netherlands 01/23  
GPA 8.15/10 (eqv. US 4.0/4.0)  
*Thesis*: “Collaborative Gym: A Simulation Framework for Multi-Robotic Tasks” (GitHub)
- BSc. in Industrial Engineering & Management**, University of Groningen, Groningen, The Netherlands 07/20  
Cum Laude, GPA 8.5/10 (eqv. US 4.0/4.0)  
*Thesis*: “Information Design for Transportation: The Selfishness of Navigation Apps” (GitHub)

## EXPERIENCE

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- Product Manager Intern**, Sensitel Inc., Silicon Valley, CA, USA 06/23 - 08/23
- Conducted on-site user interviews, gathering insights for the validation of a B2B asset tracking solution
  - Performed product-market fit analysis, identifying 4 new product capabilities, influencing the product roadmap
  - Created UX mock-ups and prototypes based on 20+ user interviews, facilitating a user-centered design approach
  - Collaborated with a cross-functional team (sales, development, leadership) to align product features with market needs
  - Assessed business viability quantitatively through data analysis, identifying a \$300 million market opportunity
  - Designed an electronic Kanban system for drone firm, aiming for ~10% material savings, enhancing operational efficiency
- Graduate Teaching Assistant: Product Management**, Northeastern University, Boston, MA, USA 09/22 - 05/23
- Led 15+ workshops on problem definition and user journey mapping, elevating students’ project conceptualization skills
  - Mentored students on product roadmaps, briefs, and PRDs, significantly improving their project strategy evaluations
  - Directed 30+ students in target user identification, objective setting, and data-driven success metrics
- Research Scholar at MAGICs Lab**, Northeastern University, Boston, MA, USA 09/21 - 01/23
- Designed a multi-agent simulation integrating LLMs (GPT-4) to study complex behaviors and system dynamics (GitHub)
  - Developed an open-source framework for modeling and simulating multi-robot interaction in cooperative tasks (GitHub)
  - Applied reinforcement learning and computer vision for a human-robot assistive task, achieving 95% accuracy (GitHub)
- Co-Founder**, Luce, Delft, The Netherlands 08/20 - 08/21
- Utilized data-driven design via a 100+ participant survey, pinpointing market needs and influencing product roadmap
  - Pitched to investors at the Phillips Innovation Awards, gaining recognition for leadership and business potential (Pitch)
  - Crafted a business plan covering strategy, market analysis, and financial goals securing potential investments up to \$100k

## PROJECTS

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- WithYa: Anonymous Emotion-Based Chat Platform**; React Native, Python, SQL (Demo Link) 10/23
- Optimized UI/UX through iterative feedback from ~10 users, enhancing user-friendliness and navigation flow
  - Collaborated with a software developer to build a robust backend, ensuring safe data handling and user management
- Grayscale Image Colorization with GAN**; Python, Deep Learning (Project Link) 04/23
- Implemented Pix2Pix Generative Adversarial Network (GAN) for image colorization, utilizing TensorFlow and Keras
  - Conducted data analysis to evaluate and improve the structural similarity and noise ratio of colorized images
- Cryptocurrency Trading Simulation**; Python, Reinforcement Learning (Project Link) 03/23
- Developed an AI-driven high-frequency trading simulation using reinforcement learning and historical market data
  - Enhanced model’s efficacy by fine-tuning hyperparameters, overcoming challenges in algorithmic adaptability

## SKILLS

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**Product**: Agile Development, Market Research, Prototyping, Competitive Analysis, User Journey, Roadmapping  
**Data Analysis**: Pandas, NumPy, Tableau/PowerBI, User Analytics, Machine Learning (Supervised/Unsupervised)  
**Software & Tools**: Python (TensorFlow/PyTorch/SciKit-Learn), R, SQL, MATLAB, React Native, CRM tools, Jira  
**Design**: Figma, Adobe Suite (Photoshop/Lightroom/XD), Wireframing & Prototyping, UI/UX principles