Pablo De Lucca

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SUMMARY

Product leader with a robust technical background in AI/ML and a proven track record of taking innovative products from concept to launch. Experienced in defining product vision, driving strategic roadmaps, and leading cross-functional engineering and design teams to build cutting-edge, user-centric experiences across software and hardware platforms. Passionate about exploring foundational technologies and turning complex user needs into delightful, scalable products.

EXPERIENCE

DidactLabs   2024 – 2025
Co-Founder & CEO   *Remote*

- Launched DidactLabs, an AI-powered platform providing teachers with full visibility into the student writing process to foster ethical AI use and critical thinking, growing the user base to ∼700 MAU.
- Led the full product lifecycle, from ideation to launch. Drove customer discovery through user interviews, translating pain points into a prioritized feature backlog and detailed technical requirements.
- Fostered tight feedback loops with users to rapidly iterate on the product, driving technical development based on bug reports, feature requests, and usability feedback.
- Secured 75k EUR in funding from VLAIO and Vlerick Business School.

Surus   2024 – 2025
Product Manager & Frontend Lead   *Remote*

- Drove product strategy for a specialized, sky computing-based LLM provider, translating customer discovery insights into a concrete product roadmap.
- Led a cross-functional team of AI, backend, and infrastructure engineers, prioritizing features and aligning efforts to build and launch the platform.
- Defined and delivered the end-to-end user experience, designing and implementing all frontend aspects of the marketing website and application (`surus.dev`).
- Played a key role in securing 100k in pre-seed funding by articulating the product vision and market opportunity.

Westray   2023
Project Manager & Senior Software Engineer   *Antwerp, Belgium*

- Led the development of a maritime safety system, driving the definition of user stories and technical requirements by aligning users, leadership, and engineers.
- Envisioned and personally designed the UI/UX for an intuitive front-end alert system, leading a team of consultants to translate complex data into a clear, user-centric interface.
- Engineered the core collision detection algorithm and real-time vessel detection pipeline using GPS data, YOLO, and SAM within an MLOps framework.

KU Leuven   2022 – 2023
AI/ML Researcher   *Leuven, Belgium*

- Developed an AI/ML product for intraoperative surgical assistance, from data generation to model validation.
- Designed and implemented a vision-based system for real-time sorting of recyclates with 94.6% accuracy, fine-tuning YOLO for the specific task.
- Supervised and led students through their Master's Thesis, demonstrating mentorship and technical leadership.

Labster   2021 – 2022
Lead of Product UI & 2D Artist   *Copenhagen, Denmark*

- Led UI/UX design for educational simulations, defining and delivering cross-platform user experiences optimized for Mobile, PC, and VR.
- Collaborated with multidisciplinary teams to build high-quality, engaging simulations.
- Drove innovation by advocating for and adopting new technologies like Stable Diffusion.

Technical Skills

Product & Leadership: Product Vision & Strategy, Roadmapping, Customer Discovery, User Interviews, Cross-Functional Leadership, Agile, Scrum, Stakeholder Alignment, Data-Driven Decision Making, Jira, Confluence
AI/ML: Deep Learning, Computer Vision (YOLO, SAM), NLP, Generative AI, RAG, EdgeAI Concepts, PyTorch, TensorFlow, MLOps
Technical Stack: Python, HTML/CSS, JavaScript/TypeScript, React.js, React Native, SQL, Git, Docker, CI/CD
Cloud & Databases: AWS, GCP, PostgreSQL, MySQL, MongoDB, Redis
UX & Design: A/B Testing, Hypothesis-Driven Iteration, Figma, Photoshop, Blender

Projects

Experimentation Phase   2024
Founder, Product & Engineering Lead

Initiated a self-directed entrepreneurial phase to rapidly prototype and validate multiple AI product concepts, culminating in the founding of DidactLabs.

- **Instant Bookmark:** Solo-founded and built a full-stack semantic search tool for academic documents (instant-bookmark.com), engineering all services and deploying on AWS.
- **Lexia:** Led a team of 5 to conceptualize and design an AI legal-tech platform for the Argentine market, driving product strategy, UI/UX, and market research.
- **SandboxAI:** Co-founded an open-source AI R&D community (∼100 members) and led the training of Tango-70b, the first large language model specifically for Argentina.
- **Aide:** Designed and developed an AI-powered email client from concept to prototype, building the UI/UX and scalable backend services using Python and AWS.

Education

KU Leuven   2021 – 2022
MSc in Electromechanical Engineering Technology   *Leuven, Belgium*
- *Graduated 1st in class, Summa Cum Laude Honours*
- *Best Master's Thesis: Integrate and Control a Computer Vision System with Pneumatic Ejection. Grade: 18.5/20*

ITBA (Instituto Tecnológico de Buenos Aires)   2015 – 2020
Bachelor of Engineering   *Buenos Aires, Argentina*

Languages

Spanish: Native
English: Fluent (IELTS 8.5, 99th percentile)