BART HOMPES

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Process optimization professional with over a decade of experience in process mining, business process management and data science. Expert in leveraging process mining to deliver actionable insights and drive business improvements. Proven track record in coordinating with diverse stakeholders and building high-performing teams. Motivated by innovation. Loves riding his motorcycle and exploring the planet.

EDUCATION

PhD **Process mining** | Eindhoven University of Technology & Philips research, NL   2014 – 2018
- Improving processes by combining data science and BPM techniques.
- Developed and published process optimization algorithms and tools.

MSc **Business Information Systems** | Eindhoven University of Technology, NL   2010 – 2014
- BIS unites computer science and industrial engineering.
- Majored in Business Process Management. Grade 8.5 / 10.

BS **Applied computer science** | PHL University of applied sciences Hasselt, BE   2007 – 2010
- Major in application development. Cisco CCNA computer networking.
- Graduated Magna Cum Laude and received honors for group project work.

BS **Computer science** | Eastern Kentucky University, USA   2010
- Exchange program with internship and courses in computer science and forensics.
- GPA: 4.0. President's award.

EXPERIENCE

Freelance process mining consultant | Artifex consultancy   2013 – present
- Providing strategy for project portfolio pipelines, program management, and ways of working.
- Guiding and training of corporations and individuals to obtain value from process data.
- Design and implementation of process monitoring and optimization solutions using custom, open source, and third-party vendor process mining, BPM, and RPA software.
- Analysis of process event data to optimize business process performance, cost, and quality.

PhD researcher | Eindhoven University of Technology & Philips research   2014 – 2018
- Improving business processes using process mining and related data science techniques.
- Published and presented in business process management and mining conferences and journals.
- Organized and gave process mining workshops for Philips staff and Data Science flagship PhDs.
- Supervised master student graduation projects and coached Honors students in Big Data track.
- Instructed courses in Business Process Management Systems and Business Process Intelligence.

CTO & co-founder | Aviliz   2015 – 2018
- Developed a data-driven recruitment platform using machine learning and artificial intelligence.
- Supported business activities in finance, IT, and data science sectors.
- Handled communication with near-shore development team (scrum / agile lead).
- Co-initiated personal and career growth opportunities for junior computer science staff.

Visiting researcher | Queensland University of Technology, University of Liechtenstein   2015, 2016
- Collaborated with prof. dr. Jan vom Brocke (Uni LI), prof. dr. Marcello La Rosa (QUT, AUS), and prof. dr. Marlon Dumas (University of Tartu, EE) on research in BPM.
- Developed a technique that discovers causal relations between process performance indicators based on time series analysis. Published and presented at major BPM / IS conference CAiSE 2017.

Interim web content manager | ERIKS   2011 – 2013
- Greatly improved content management pipeline using Robotic Process Automation (RPA).
- Created website content together with marketing and communications and provided training.

Volunteer & co-founder | Stichting Offroad Budel (Foundation)   2011 – 2024
- Organization of a 4x4 off-road event visited yearly by 7,500+ visitors and 1,500+ participants.
- Funding local sports team (Motoball, competing in national and European championships).

Rabobank | Financial Economic Crime   2024 – present
Rabobank is a cooperative Dutch bank. As part of the Financial & Economic Crime team, I help expand process mining efforts to new business units, focusing on Know Your Customer (KYC) processes like Customer Due Diligence (CDD), Transaction Monitoring (TM), and Sanctions. I lead the integration of Celonis into improvement initiatives, work with senior stakeholders, and coach and train team members.

APG | Celonis cloud migration   2024
At Algemene Pensioen Groep, the largest pension fund in the Netherlands, I led the migration from on-premise Celonis to the EMS cloud. I ensured a smooth transition of custom process implementations, safeguarded governance and security, and established a new governance model. I managed stakeholder communication and initiated a value-driven approach to process optimization post-migration.

NXP | SAP migration & Celonis data architecture   2023 – 2024
NXP is a global semiconductor company. At NXP, I supported the SAP ECC to S4/HANA migration by optimizing the Order-to-Cash process and redesigning the data architecture. I delivered process mining insights for Purchase-to-Pay and Record-to-Report, advised management on long-term enablement and value generation, and contributed to efficiency gains across multiple workflows.

Philips | Process mining lead   2019 – 2023
Philips is a leading health technology company that heavily invests in process mining. At Philips, I built and scaled the global process mining Center of Excellence from the ground up to 15 FTE. I integrated process mining into enterprise systems (SAP, Salesforce, and more), driving continuous improvement and identifying cost-saving and efficiency opportunities across 15+ processes. I led portfolio management, capability building, and stakeholder alignment, while organizing trainings and workshops to boost process literacy company-wide.

Vanderlande | Innovation project   2022
Vanderlande is the global market leader for future-proof logistic process automation at airports and is a leading supplier of process automation solutions for warehouses and in the parcel market. At Vanderlande, I drove the development of a smart supervisor system using novel process mining technologies such as object-oriented event knowledge graphs, successfully taking the concept from proof-of-value to commercial product, aligning with set project milestones. Enabled better decision-making for automated warehouse systems by leveraging event-based data.

Roche | Finance reporting   2019 – 2020
Roche creates innovative medicines and diagnostic tests that help millions of patients globally. At Roche Netherlands, I developed a data-driven approach to improve visibility into operational expenditure and financial reporting. Reporting directly to the CFO, I contributed to strategic planning around budgeting, compliance, and personalized healthcare, aligning financial processes with Roche's broader vision.

LANGUAGES

- Dutch   C2
- English   C2
- Spanish   B2
- German   B1
- French   B1

SOFTWARE

- Celonis
- UIPath
- Fluxicon Disco
- Minit (Microsoft)
- Signavio (SAP)
- Lana (Appian)
- myInvenio (IBM)
- Mindzie
- SQL Server
- PowerBI
- Tableau
- Qlik
- SalesForce
- SAP
- Splunk
- ELK Stack

PROGRAMMING

- C#   10+ y
- Java   10+ y
- SQL   10+ y
- Python   5+