

BART HOMPES

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CURRICULUM VITAE DECEMBER 2025

Prinses Irenestraat 15, 6024 BB

Budel-Dorplein, The Netherlands

Experienced process mining professional with over a decade of experience in designing and embedding process analysis at the enterprise scale. Specialized in establishing sustainable process mining operating models, including data architecture, governance, and standardization across value streams. Combines academic depth with hands-on experience in both standardized and complex, non-standard process landscapes and system transitions to support structural process improvement.

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.
- BSc Applied computer science** | PHL University of applied sciences Hasselt, BE 2007 – 2010
- Graduated Magna Cum Laude and received honors for group project work.
 - Majored in application development.
- BSc 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
- Developing strategy for project portfolios, program management, and ways of working.
 - Coaching and training organizations and professionals in leveraging process data.
 - Designing and implementing solutions for process monitoring and optimization.
 - Analyzing event data to improve lead time, cost, and process quality.
- PhD researcher** | Eindhoven University of Technology & Philips research 2014 – 2018
- Research on process improvement using process mining and data science.
 - Publications and presentations at international BPM conferences and journals.
 - Organization and delivery of process mining workshops for Philips and TU/e researchers.
 - Supervision of graduation projects and coaching of honors students in the Big Data track.
 - Instructed courses in Business Process Management Systems and Business Process Intelligence.
- CTO & co-founder** | Aviliz 2015 – 2018
- Development of a data-driven recruitment platform using machine learning and AI.
 - Support of commercial activities in finance, IT, and data science.
 - Leadership of a near-shore development team (scrum/agile).
 - Designing growth plans for the personal and professional development of junior 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
- Improvement of the content management platform using Robotic Process Automation (RPA).
 - Development of website content and training of marketing and communications teams.
- Volunteer & co-founder** | Stichting Offroad Budel (Foundation) 2011 – 2024
- Organization of an annual 4x4 off-road event (7,500+ visitors, 1,500+ participants).
 - Funding local sports team (Motoball, competing in national and European championships).

RECENT CLIENT PROJECTS

FrieslandCampina | Cash & goods movement

2025 – present

At FrieslandCampina, the focus is on gaining insight into the use of different scenarios within core processes in preparation for the migration from SAP ECC to S/4HANA. I support the team by analyzing scenario variants using process mining and making their impact on the future process design explicit. This supports prioritization of the S/4HANA implementation and reduces migration risks.

Rabobank | Financial Economic Crime

2024 – present

Within Rabobank, I work in the Financial & Economic Crime department, where process mining is being scaled across multiple KYC domains. I design and implement process mining applications for, among others, Customer Due Diligence, Transaction Monitoring, and Sanctions, and support their integration into improvement initiatives. In addition, I support Rabobank as a domain and solution architect in establishing a uniform approach and architecture for process mining across all value streams, resulting in more consistent analyses and reusable solutions.

APG | Celonis cloud migration

2024

At APG, the migration from an on-premise Celonis environment to the Celonis EMS Cloud was central, with strict requirements regarding governance and security. I supported this migration, including the transition of custom implementations and the redesign of governance. This resulted in a stable cloud environment and a scalable foundation for further process optimization.

NXP | SAP-migration & Celonis data architecture

2023 – 2024

At NXP, the migration from SAP ECC to S/4HANA triggered a redesign of both processes and data architecture. I optimized the Order-to-Cash process, redesigned the Celonis data architecture, and delivered insights for Purchase-to-Pay and Record-to-Report. This resulted in improved end-to-end visibility and a structural foundation for value creation with process mining.

Philips | Process mining lead

2019 – 2023

At Philips, the challenge was to professionalize process mining and embed it organization-wide. I built and scaled the global Process Mining Center of Excellence to fifteen FTE and achieved sustainable, structural, and measurable improvements, cost savings, and efficiency gains across more than fifteen processes executed in enterprise systems such as SAP and Salesforce.

Vanderlande | Innovation project

2022

At Vanderlande, I worked on an innovation project focused on real-time insight into automated logistics systems. I contributed to the development of a smart supervisor system based on advanced process mining techniques, including object-oriented event knowledge graphs, and guided the trajectory from proof-of-value to commercial product. This improved decision-making in complex warehouse environments.

Roche | Financial operational decision-making

2019 – 2020

At Roche Netherlands, the focus was on increasing insight into operational expenditure and financial reporting. I developed a data-driven approach in close collaboration with the CFO. This supported strategic planning and decision-making around budgeting, compliance, and further professionalization of financial processes.

LANGUAGES

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

SOFTWARE

- Celonis
- SAP Signavio
- Lana (Appian)
- SAP
- UiPath
- ARIS
- SQL Server
- Salesforce
- Fluxicon Disco
- IBM (myInvenio)
- PowerBI
- Splunk
- Microsoft (Minit)
- Pegasystems
- Tableau
- ELK Stack

PROGRAMMING

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