

# BART HOMPES

+31 6 234 80 668  
bart.hompes@artifexconsultancy.nl

# CURRICULUM VITAE JANUARY 2025

Prinses Irenestraat 15, 6024 BB  
Budel-Dorplein, The Netherlands

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

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- 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

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- 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 (defense jan. 2025) 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 on 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 – present
- 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).

## RECENT PROJECTS

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### Rabobank

2024 – present

Rabobank is a cooperative Dutch bank. In this project, I join their Financial & Economic Crime team to expand its process mining activities to new business units and processes, focusing on Customer Due Diligence (CDD), Transaction Monitoring (TM), and Sanctions. My role includes organizing the integration of Celonis into the bank's process improvement initiatives, collaborating with senior process stakeholders and coaching junior team members to strengthen the team's process mining capabilities.

### APG

2024

Algemene Pensioen Groep NV is the largest pension fund in the Netherlands. In this project, I supported the migration from Celonis on-premise to Celonis EMS (Cloud SaaS), ensuring seamless transitions of custom process implementations while maintaining governance and security. Guided the setup of a new governance model and managed communications between customer and vendor. Kick-started a value-driven approach to optimize processes and improve business outcomes post-migration.

### NXP

2023 – 2024

NXP is a global semiconductor company. In this project, I supported NXP's migration from SAP ECC to SAP S4/HANA, focusing on optimizing the Order-to-Cash process and designing new data architecture. Provided process mining insights to improve other key processes (Purchase-to-Pay, Record-to-Report), while advising management on future enablement and value generation. Contributed to process improvements which boosted efficiency across multiple workflows.

### Philips

2019 – 2023

Philips is a leading health technology company that is heavily investing in process mining at the enterprise level. Led the establishment and maturation of Philips' process mining capabilities, building a center of excellence from the ground up to 15 FTE. Integrated process mining into global IT systems, focusing on continuous improvement and efficiency gains. Managed relationships with stakeholders across departments to ensure alignment with business goals. Oversaw portfolio management, resource planning, and capability building, with 15+ processes incorporated across SAP, Salesforce, and other systems. Helped secure significant cost savings by identifying bottlenecks in global processes. Organized training sessions and process mining workshops to enhance data literacy within teams.

### Vanderlande

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. In this project, 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

2019 – 2020

Roche creates innovative medicines and diagnostic tests that help millions of patients globally. In this project, I developed a data-driven approach for Roche Netherlands, improving visibility of operational expenditure and financial reporting processes. Reported directly to the CFO and contributed to strategic planning sessions focused on budgeting, planning, and compliance. Helped align financial reporting with the company's personalized healthcare vision.

## LANGUAGES

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

## SOFTWARE

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• Celonis                      • Signavio (SAP)                      • SQL Server                      • Salesforce  
• UiPath                      • Lana (Appian)                      • PowerBI                      • SAP  
• Fluxicon Disco                      • myInvenio (IBM)                      • Tableau                      • Splunk  
• Minit (Microsoft)                      • Mindzie                      • Qlik                      • ELK Stack

## PROGRAMMING

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