

## BART HOMPES

+31 6 234 80 668

bart.hompes@artifexconsultancy.nl

## CURRICULUM VITAE FEBRUARY 2023

Prinses Irenestraat 15, 6024 BB

Budel-Dorplein, The Netherlands

Process optimization professional with proven knowledge and experience in process mining, business process management and data science. Supports organizations on their journey of building a process mining competency center of excellence. Helps companies design and implement efficient processes through analysis, monitoring and continuous improvement, and provides process mining training and workshops. Brings together business and IT by translating requirements into solutions and data into actionable insights. 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
- Strategizing 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 through the generation of actionable insights.
  - Implementation of dashboards and BI systems to support daily operations.
- PhD researcher (to defend)** | Eindhoven University of Technology & Philips research 2014 – 2018
- Improving business processes using process mining and related data science techniques.
  - Published and presented in main business process management 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 master- and bachelor-level courses in Business Process Management Systems and Business Process Intelligence.
- CTO & co-founder** | Aviliz 2015 – 2018
- Architected, developed, and integrated an online data-driven recruitment platform based on machine learning and artificial intelligence technologies.
  - Supported business activities in finance, IT, and data science sectors.
  - Handled communication with near-shore development team (scrum / agile lead).
  - Hired computer science staff and provided secondments and internships at client sites.
  - Co-initiated personal and career growth opportunities for junior staff.
- Visiting researcher EU H2020 MSCA-RISE BPM** | Queensland University of Technology, AUS 2016
- Collaborated with prof. dr. Marcello La Rosa, prof. dr. Marlon Dumas (University of Tartu, EE), and dr. Abderrahmane Maaradji on research on causal relationships in process KPIs.
  - 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.

**Visiting researcher EU H2020 MSCA-RISE BPM** | University of Liechtenstein, LI 2015

- Collaborated with the group of prof. dr. Jan vom Brocke on research on BPM in the area of process performance and service level agreements specification and analysis.

**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 (competing in national and European championships).

## RECENT PROJECTS

---

**Philips** 2019 – 2023

Philips is a leading health technology company that is heavily investing in process mining at the enterprise level. Since the start of the program, I have led the continuous improvement initiative to guide and support the maturation of the process mining capability within Philips. This includes topics such as project lifecycle modeling, integration of process mining into the global IT landscape, portfolio and roadmap management, and project and resource planning. My responsibilities span from capability building and training to the development of process mining dashboarding and process analysis. Additionally, I guide the process mining team to support the global markets and business process owners and experts by providing value cases across the different processes including order-to-cash, purchase-to-pay, lead-to-order, audit, and across different systems such as SAP and Salesforce.

**Vanderlande** 2022

Vanderlande is the global market leader for future-proof logistic process automation at airports. The company is also a leading supplier of process automation solutions for warehouses and in the parcel market. Vanderlande is investing heavily in different technologies as part of their continued innovation efforts. In this context, my focus is to guide and support Vanderlande in understanding and integrating the latest process mining technology in the next generation of their process support software.

**Roche** 2019 – 2020

Roche creates innovative medicines and diagnostic tests that help millions of patients globally. Central to Roche's North Star vision is Personalized Healthcare. In this project, I was responsible for the new data-driven way of working and co-developed the roadmap for data-driven personalized healthcare in the Netherlands. My team set up an improved reporting standard using the Roche global data warehouse and Tableau. My direct focus was on optimizing visibility of operational expenditure (OPEX) and optimization of the financial reporting process in general, while reporting directly to the CFO. In order to streamline operations, my team collaborated with and visited other Roche affiliates, healthcare organizations, and hospitals. Furthermore, I engaged in strategic planning sessions (think-tanks) that advised the C-suite on topics such as budgeting, planning, and compliance.

## LANGUAGES

---

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

## SOFTWARE

---

- |                             |                   |            |              |
|-----------------------------|-------------------|------------|--------------|
| • Celonis                   | • Signavio (SAP)  | • SSIS ETL | • Qlik       |
| • UIPath f.k.a. ProcessGold | • Lana (Appian)   | • SSDD-BI  | • Salesforce |
| • Fluxicon Disco            | • myInvenio (IBM) | • SSRS     | • SAP        |
| • Minit (Microsoft)         | • Mindzie         | • PowerBI  | • Splunk     |
|                             | • SQL Server      | • Tableau  | • ELK Stack  |

## PROGRAMMING

---

- |        |       |          |      |        |       |              |      |
|--------|-------|----------|------|--------|-------|--------------|------|
| • C#   | 10+ y | • Python | 5+ y | • XML  | 10+ y | • PHP        | 8+ y |
| • Java | 10+ y | • R      | 5+ y | • HTML | 10+ y | • JavaScript | 8+ y |
| • SQL  | 10+ y | • VB     | 5+ y | • CSS  | 10+ y | • ReactJS    | 2+   |