

BART HOMPES

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CURRICULUM VITAE SEPTEMBER 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 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 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 (Motoball, competing in national and European championships).

RECENT PROJECTS

NXP 2023 – present

NXP is a global semiconductor company creating solutions that enable secure connections for a smarter world. In this project, I support NXP's process mining team in their efforts to support the migration from SAP ECC to SAP S4. My responsibilities are mostly related to updating and improving existing process mining implementation efficiency as well as setting up best practices going forward.

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 into the global IT landscape, portfolio and roadmap management, and project and resource planning. My responsibilities span from training to the development of process mining dashboarding and process analysis. Additionally, my team supports the global markets and business process owners with value cases across 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 and is 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 was to guide and support Vanderlande in understanding and integrating the latest process mining technology (object-centric process mining) in their next generation 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 direct focus was optimizing visibility of operational expenditure (OPEX) and the financial reporting process, while reporting directly to the CFO. I collaborated with and visited other Roche affiliates, healthcare organizations, and hospitals and engaged in think-tanks that advised the C-suite on topics such as budgeting, planning, and compliance.

LANGUAGES

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

SOFTWARE

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

PROGRAMMING

- C# 10+ y
- SQL 10+ y
- R 5+ y
- XML 10+ y
- Java 10+ y
- Python 5+ y
- VB 5+ y
- HTML 10+ y

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Bart Franciscus Antonius Hompes was born on 1989-05-16 in Weert, The Netherlands. After obtaining his high-school degree in 2007 in Hamont-Achel, Belgium, he received a professional bachelor in Applied Computer Science from the Provinciale Hogeschool Limburg (PHL) in Hasselt, Belgium, in 2010 (magna cum laude). Bart spent the spring semester of 2010 at the Eastern Kentucky University (EKU) in Richmond, KY, United States of America as part of an exchange program (4.0 GPA, President's award). In 2010, Bart started his studies at the Eindhoven University of Technology with a pre-master course which he completed in 2012. In 2014, he finished his master Business Information Systems with a thesis on decomposed process discovery. In November 2014, Bart started a PhD project in the context of the Data Science Flagship collaboration project between the Eindhoven University of Technology and Philips Research, under the supervision of prof. dr. ir. Wil M.P. van der Aalst and dr. ir. Joos C.A.M. Buijs. As part of the RISE_BPM project, Bart spent November 2015 at the University of Liechtenstein in Vaduz, Liechtenstein, and November 2016 at the Queensland University of Technology in Brisbane, Australia.

In 2015, Bart and his co-authors won the best paper award for the paper "Detecting change in processes using comparative trace clustering" at the SIMPDA 2015 conference in Vienna, Austria. In 2022, Bart and Marcus Dees won the "BPM Innovation Award" for their work "Detecting and mitigating the event log mutability problem at UWV (Uitvoeringsinstituut Werknemersverzekering)", at the Industry Forum of the BPM 2022 conference in Münster, Germany.

During his career, Bart co-authored 16 research papers, three book chapters, three invention disclosures, provided over a dozen reviews for conferences, journals, and books, co-supervised two master student theses, tutored several courses, and coached students enrolled in the Big Data honors track at the Eindhoven University of Technology.

From 2013 onward, Bart has been working as a freelance consultant in the process mining space, working for clients such as Roche, Philips, Vanderlande, and NXP. In 2013, Bart co-founded Stichting Offroad Budel, a foundation that organizes a yearly 4x4 off-road event visited yearly by 7,500+ visitors and 1,500+ participants. In 2015, Bart co-founded Aviliz (ZenSelect B.V.), in which he held the CTO position until 2018.

Between 2007 and 2018 Bart played in the Dutch and German national leagues of Motoball (soccer on motorcycles), representing his country as part of the Dutch national team at European Championships between 2009 and 2018. Since 2022 he is the trainer and coach for the youth division of Motoballvereniging Budel, as well as the Dutch national "under 18" team.