

BART HOMPES

CURRICULUM VITAE

june 2019

PROFILE

Born: 16-05-1989 Nationality: Dutch

In 2010, Bart obtained his **bachelor's degree in applied computer science** from Provinciale Hogeschool Limburg (BE), and took an internship at Eastern Kentucky University (U.S.A.). In 2013, Bart founded his first company Artifex. In 2014, Bart graduated from the Eindhoven University of Technology (NL) with a **master's degree in business information systems**. In 2015, Bart co-founded Aviliz. Today, he is finishing his **doctorate in process mining** with Europe's most cited computer scientist. In the little time that is left, Bart spends his time playing motoball (soccer on motorcycles) or exploring the planet.

INTERESTS

The synergy between business and IT: Business Process Management, Business Process Reengineering, Process Mining, Business Intelligence, Business Process Improvement, Process Performance Analysis, Applied Research, Fundamental Research, Data Science, Artificial Intelligence, Strategic Consulting, Value Propositions, International collaboration.

LANGUAGES

Dutch English German French Spanish

CONTACT

Bart Franciscus Antonius Hompes
Parallelweg 4, 6023 BC
Budel-Schoot, The Netherlands

T. +31 6 234 80 668

E. bart@bhompes.nl

W. <https://bhompes.nl>

 <https://linkedin.com/in/bhompes>

EDUCATION

PhD Process Mining 2014-2018

Eindhoven University of Technology
Improving processes using data science. Thesis: Analyzing Process Performance. Project with Philips Research (Data Science Flagship).

MSc Business Inf. Sys. 2010-2014

Eindhoven University of Technology
Uniting the competences of the computer scientist and the industrial engineer. Major: Business Process Management. Grade: 8.5 / 10.

Computer Science 2010

Eastern Kentucky University
International exchange program with internship and courses in computer science and computer forensics. GPA: 4.0. President's award.

Bachelor Comp. Science 2007-2010

Provinciale Hogeschool Limburg
Major in application development. Cisco CCNA computer networking. Graduated Magna Cum Laude. Honors for group project work.

EXPERIENCE

Freelance consultant jan 2013 - current

Artifex Consultancy | BPM and process mining consultancy

- Analysis of process event data with the aim of optimizing business process performance, cost, and quality.
- Design and implementation of process monitoring and optimization solutions using custom-made, open source, and third-party vendor software such as Celonis, ProcessGold, Fluxicon Disco, Minit, Lana labs, ProM, RapidProM, PM4Py, BuPaR, etc.
- Guiding and training of corporations and individuals to obtain value from process event data through the generation of insights.
- Typical processes involve purchase-to-pay, order-to-cash, document-handling, supply-chain management, etc. Typical industries are finance, manufacturing, healthcare, logistics, retail, communications, sales, and public sector.

Doctoral researcher nov 2014 - dec 2018

Eindhoven University of Technology & Philips Research | Research

- Research on how process mining and other data science techniques can help improve business processes with a focus on process performance.
- Published and presented in main process mining conferences and journals.
- Instructed master- and bachelor-level courses in Business Process Management Systems and Business Process Intelligence. Coached Honors students in Big Data track. Supervised master student graduation projects.
- Organized and gave process mining workshops and presentations.
- PhD thesis title: Analyzing Process Performance.

Co-founder, co-owner aug 2015 - aug 2018

Aviliz | Data-driven recruitment

- Architected, developed, and integrated an online data-driven recruitment platform based on machine learning and artificial intelligence technologies.
- Handled communication with near-shore development team.
- Hired computer science staff and provided internships and secondments.
- Co-initiated personal and career growth opportunities.

PROGRAMMING

Java	C#	VB	Python	R
SQL	PHP	XML		
HTML	CSS	JavaScript		

SOFTWARE

Celonis PM	ProcessGold
Fluxicon Disco	Minit PM
Lana labs PM	Microsoft Office
Visual studio	Eclipse
GIT	Jupyter notebook
SAP	SQL Server
Adobe Illustrator	Adobe Photoshop

SYSTEMS

Windows	Windows Server
Linux - UNIX	Mac OS

PUBLICATIONS

Full list available on Google Scholar profile.
Selected publications.

- Using Process Analytics to Improve Healthcare Processes, 2019, Springer
- Lifecycle-Based Process Performance Analysis, CoopIS 2018, Springer
- Discovering Causal Factors Explaining Business Process Performance Variation, CAiSE 2017, Springer
- A Generic Framework for Context-Aware Process Performance Analysis, CoopIS 2016, Springer

REFERENCES

Upon request.

Visiting researcher

nov 2016

Queensland University of Technology | Research

- Collaborated with dr. Abderrahmane Maaradji, prof.dr. Marcello la Rosa, and prof.dr. Marlon Dumas (University of Tartu, EE) on research on the causal relationship between contextual information stored for process instances and activities and process performance over time.
- Developed, published, and presented a technique that discovers causal relations between process performance indicators based on time series analysis at CAiSE 2017 in Essen, Germany.

Visiting researcher

nov 2015

Universität Liechtenstein | Research

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

Interim website content manager

jul 2011 - feb 2013

ERIKS | Industrial service provider

- Website content management in a freelance capacity.
- Worked with marketing and communications to create new website content and layout and contributed to the creation of combined product catalogs.
- Greatly improved existing content management pipeline using IT automation.

Intern

2011 - current

Eastern Kentucky University | Computer Science department

- Developed a touch-screen system at the entrance of a building that lets visitor search for staff and offices and directs them there using a visualization of the building. Also developed the back-end management system.

VOLUNTEER EXPERIENCE

Co-founder, board member

2011 - current

Stichting Offroad Budel | Non-profit foundation

- Organization of a 4x4 offroad event visited yearly by 5,000+ visitors and 1,000+ participants with the goal of funding local sports team.
- Development of the online registration and participant management system.
- Development of the website and marketing material.

AWARDS

Best paper award

nov 2015

International Symposium on Data-Driven Process Discovery and Analysis.

Honors, group project work certificate

jul 2010

PHL University College Hasselt

Magna cum laude, bachelor's degree

jul 2010

PHL University College Hasselt

President's award, 4.0 GPA

may 2010

Eastern Kentucky University