

## BART HOMPES

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## CURRICULUM VITAE MARCH 2020

Parallelweg 4, 6023 BC  
Budel-Schoot, The Netherlands

Process optimization professional with proven knowledge and experience in data science and business process management. 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

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- PhD Process mining** | Eindhoven University of Technology 2014 – 2018  
Improving processes using data science and BPM techniques. Developed process optimization algorithms and tools. Project with Philips Research (Data Science Flagship).
- MSc Business Information Systems** | Eindhoven University of Technology 2010 – 2014  
BIS unites computer science and industrial engineering. Majored in Business Process Management. Grade 8.5 / 10.
- BS Applied computer science** | PHL Hasselt 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 2010  
Exchange program with internship and courses in computer science and computer forensics. GPA: 4.0. President's award.

### EXPERIENCE

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- Freelance consultant** | Artifex consultancy 2013 – present
- Analysis of process event data to optimize business process performance, cost, and quality through the generation of actionable insights.
  - Design and implementation of process monitoring and optimization solutions using custom, open source, and third-party vendor process mining and BPM software.
  - Guiding and training of corporations and individuals to obtain business value from data.
  - Creation of dashboards and BI systems to support daily operations and decision-making.
  - Setup of project portfolio pipeline and program management way of working.
- Researcher** | 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.
- 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 internships and secondments at clients.
- Co-initiated personal and career growth opportunities for junior staff.

**Visiting researcher EU H2020 MSCA-RISE BPM** | Queensland University of Technology

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** | Universität Liechtenstein

2015

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

**Interim website 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 motoball sports team (competing in national and European championships).
- Developed the online registration and participant management system and analysis dashboards.
- Developed new websites and marketing material.

**LANGUAGES**

- |           |    |          |    |           |    |
|-----------|----|----------|----|-----------|----|
| • Dutch   | C2 | • German | B2 | • Spanish | A2 |
| • English | C2 | • French | B1 |           |    |

**PROGRAMMING**

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|--------|-------|----------|------|--------|-------|--------------|-------|
| • Java | 10+ y | • Python | 5+ y | • SQL  | 10+ y | • CSS        | 10+ y |
| • C#   | 10+ y | • R      | 5+ y | • XML  | 10+ y | • JavaScript | 8+ y  |
| • VB   | 5+ y  | • PHP    | 8+ y | • HTML | 10+ y | • AngularJS  | 4+ y  |

**SOFTWARE**

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|-----------------------------|--------------|-----------|-------------------|
| • Celonis                   | • Lana labs  | • SSRS    | • Qlik            |
| • UIPath f.k.a. ProcessGold | • myInvenio  | • PowerBI | • ELK Stack       |
| • Fluxicon Disco            | • SQL Server | • SAP     | • Visual studio   |
| • Minit                     | • SSIS ETL   | • Tableau | • Eclipse         |
|                             | • SSDT-BI    | • SAS     | • Jenkins CI / CD |