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## **Integrating analytics with relational databases**

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## Publications

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This thesis is based on the following set of publications:

- **Vectorized UDFs in Column-Stores**, Mark Raasveldt, Hannes Mühleisen, 28th International Conference on Scientific and Statistical Database Management (SSDBM 2016)
- **Don't Hold My Data Hostage - A Case For Client Protocol Redesign**, Mark Raasveldt, Hannes Mühleisen, 43rd International Conference on Very Large Data Bases (VLDB 2017)
- **Dont Hold My UDFs Hostage - Exporting UDFs For Debugging Purposes**, Mark Raasveldt, Pedro Holanda and Stefan Manegold, 32nd Simpósio Brasileiro de Bancos de Dados (SBBD 2017)
- **Deep Integration of Machine Learning Into Column Stores**, Mark Raasveldt, Pedro Holanda, Hannes Mühleisen and Stefan Manegold, 21st International Conference on Extending Database Technology (EDBT 2018)
- **MonetDBLite: An Embedded Analytical Database**, Mark Raasveldt and Hannes Mühleisen (Unpublished)
- **devUDF: Increasing UDF development efficiency through IDE Integration. It works like a PyCharm!**, Mark Raasveldt, Pedro Holanda and Stefan Manegold, 22nd International Conference on Extending Database Technology (EDBT 2019, Demo Track)
- **DuckDB: an Embeddable Analytical Database**, Mark Raasveldt and Hannes Mühleisen, ACM International Conference on Management of Data (SIGMOD 2019, Demo Track)



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## Curriculum Vitae

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Mark Raasveldt geboren op 20 September 1992 te Leiderdorp

- 2016 - 2020 PhD candidate  
Database Architectures group  
Centrum van Wiskunde & Informatica (CWI)  
Supervised by Hannes Mühleisen and Stefan Manegold
- 2013 - 2015 Master of Science  
Computing Science (Cum Laude)  
Utrecht University
- 2010 - 2013 Bachelor of Science  
Computer Science  
Utrecht University
- 2004 - 2010 High School  
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