



# Pimin Konstantin Kefaloukos

## Curriculum Vitae

Born: March 25, 1975 – Copenhagen, Denmark

Nationality: Danish

### Summary

Innovative computer scientist with focus on *databases, distributed systems, graph theory, algorithms, spatial data, information visualization and data analytics*

### Current position

2011-present **Ph.D. student**, *University of Copenhagen*, Department of Computer Science.  
Supervised by Professor Martin Zachariassen, Dr Marcos Vaz Salles & PhD Anders Friis-Christensen  
Area Big Spatial Data Processing, Map Visualization and Data Serving  
Funded by Danish Geodata Agency (public sector), Grontmij A/S (engineering)

### Education

2006–2008 **Masters of Science (Computer Science)**, *University of Copenhagen*.  
2002–2006 **Bachelor of Science (Computer Science)**, *University of Copenhagen*.

### Publications, Talks, Mentoring

#### Refereed Conference Publications

- 2014 Pimin Konstantin Kefaloukos, Marcos Vaz Salles, Martin Zachariassen. “Declarative Cartography: In-Database Map Generalization of Spatial Datasets”. IEEE ICDE International Conference on Data Engineering 2014, Chicago, USA.
- 2012 Pimin Konstantin Kefaloukos, Marcos Vaz Salles, Martin Zachariassen. “TileHeat: A Framework for Tile Selection”. ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL GIS) 2012, Redondo Beach, USA

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📄 [skipperkongen.github.com/about-kefaloukos/](https://github.com/skipperkongen.github.com/about-kefaloukos/)

## Refereed Journal Publications

- 2010 Hans Skov-Petersen, Martin Zachariasen, Pimin Konstantin Kefaloukos. "Have a nice trip: an algorithm for identifying excess routes under satisfaction constraints". *International Journal of Geographical Information Science*, Volume 24, Issue 11 November 2010 , pages 1745 - 1758.

## Invited talks

- 2013 Vector tiles, Invited Talk at *Danish Geodata Agency*, January 2013.  
2012 The future of GIS in the Cloud, Invited Talk at *Digital Map Supply Seminar, Danish Geodata Agency*, October 2012.

## Mentoring

- 2013 Co-supervising one MSc thesis, University of Copenhagen, 2013  
2012 Co-supervised one MSc project, University of Copenhagen, 2012

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## Conferences Attended

- 2014 30th IEEE International Conference on Data Engineering (ICDE '14), Chicago, IL.  
2012 20th ACM International Conference on Advances in Geographic Information Systems (SIGSPATIAL '12), Redondo Beach, CA.  
2011 37th International Conference on Very Large Data Bases (VLDB '11), Seattle, WA.

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## Industry Experience

- 2008–2011 **Consultant**, GRONTMIJ, Glostrup, *spatial data, public data integration, information retrieval, augmented reality*.  
2006–2007 **Researcher and software developer**, UNIVERSITY OF COPENHAGEN, FACULTY OF LIFE SCIENCES, Copenhagen, *agent based simulation, spatial data*.  
2005–2006 **BSD administrator and software developer**, HEADNET, Copenhagen.  
2004–2005 **BSD administrator and software developer**, LEARNING LAB DENMARK, THE DANISH UNIVERSITY OF EDUCATION, Copenhagen, *Python, backups, technical documentation*.

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## Languages

- Danish **Native**  
English **Advanced**  
Greek **Basic**

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## References

Prof. Martin Zachariasen  
Professor, Department of Computer Science, University of Copenhagen  
martinz@diku.dk

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Assist. Prof. Marcos V. Salles  
Assistant Professor, Department of Computer Science, University of Copenhagen  
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Ph.D. Anders Friis-Christensen  
Danish Geodata Agency, Ministry of the Environment, Denmark  
andfr@gst.dk

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