

Contact

+4526116003 (Mobile)
skipperkongen@gmail.com

[www.linkedin.com/in/
kostaskefaloukos](https://www.linkedin.com/in/kostaskefaloukos) (LinkedIn)
www.diku.dk (Other)
skipperkongen.dk (Personal)

Top Skills

Computer Science
Algorithms
Artificial Intelligence (AI)

Languages

English (Native or Bilingual)
Greek (Limited Working)
Danish (Native or Bilingual)

Publications

Declarative Cartography: In-Database Map Generalization of Geospatial Datasets

Have a nice trip: an algorithm for identifying excess routes under satisfaction constraints

TileHeat: A Framework for Tile Selection

Pimin Konstantin Kefaloukos

AI Lead at ZeroNorth.

Copenhagen, Capital Region of Denmark, Denmark

Summary

AI Lead and PhD-level Computer Scientist with 15+ years of experience building large-scale intelligent systems in production. I design and deploy advanced machine learning, optimization, and distributed data solutions that power pricing, anomaly detection, real-time decision systems, and AI agents at scale.

My expertise spans algorithms, system architecture, and applied AI across cloud-native big data ecosystems (Spark, Kafka, Azure/AWS), with hands-on depth in Python, Scala, C#, and modern microservices. I combine rigorous theoretical foundations with practical execution — moving seamlessly from mathematical modeling and reinforcement learning to production-grade infrastructure.

I have led cross-functional teams in shipping, adtech, and geospatial systems, aligning deep technical design with measurable business impact. I specialize in turning complex data problems into scalable, reliable, revenue-generating systems.

Experience

ZeroNorth

AI Team Lead

May 2025 - Present (10 months)

Copenhagen, Capital Region of Denmark, Denmark

Introduce AI Agents to ZeroNorth

A.P. Moller - Maersk

Senior Data Scientist

May 2018 - May 2025 (7 years 1 month)

Copenhagen, Capital Region, Denmark

Projects (container shipping): Automated pricing, customer segmentation, anomaly detection, and real-time alerts.

Technologies: Azure, Apache Spark, Python, machine learning, operations research, reinforcement learning, FastAPI, Kafka, SQL and Linux.

AudienceProject

Data Scientist

August 2014 - May 2018 (3 years 10 months)

Copenhagen Area, Capital Region, Denmark

Projects (adtech): High scalability data platform, knowledge graph, cross-device deduplication of anonymous identities, segmentation, geographical data analysis.

Technologies: AWS, Apache Spark, Hive, Redshift, Scala, Zeppelin, Python, Java, Typescript, Javascript, Node.js, Amazon Kinesis + Lambda and SQL and Linux.

University of Copenhagen, Danish Geodata Agency, Grontmij
Ph.d. student

May 2011 - June 2014 (3 years 2 months)

Copenhagen Area, Denmark

Projects (GIS): High availability and scalability for GIS, vector tiles, big-data algorithms for automatically drawing maps, cache optimisation.

Technologies: AWS, Python, PostgreSQL/PostGIS, Hadoop.

Grontmij A/S - Danmark

Software Engineer

February 2009 - May 2011 (2 years 4 months)

Copenhagen Area, Capital Region, Denmark

Projects (GIS, data integration and applications): GIS and IT solutions tailored for the Danish public sector.

Technologies: Java, .NET, C#, SQL, HTML, Javascript, Augmented Reality, PostgreSQL, and Linux.

Grontmij A/S - Danmark

Software Engineer

January 2008 - September 2008 (9 months)

Part-time work that included programming geographic information systems solutions and mobile GIS applications while still at university.

University of Copenhagen, faculty of life sciences

Software developer

May 2006 - December 2007 (1 year 8 months)

University of Copenhagen

Projects: Agent based simulation system (ABM) for simulation of the human-wildlife interaction in Denmark.

Technologies: Java and Javascript.

Headnet Aps

FreeBSD administrator and Python programmer

September 2005 - June 2006 (10 months)

Projects: FreeBSD administration.

Technologies: FreeBSD, Apache Web Server, Plone and Python.

Learning Lab Denmark, the Danish University of Education

Linux administrator and Python programmer

March 2004 - September 2005 (1 year 7 months)

Projects Linux administration (Debian), backups and Plone CMS development.

Technologies: Linux (Debian), Plone and Python.

Metronome productions

Electronic musician

2000 - 2001 (1 year)

Projects: Music production for satire TV-program O.P.S. on Danish television (DR2).

Technologies: Logic, Cubase, synthesizers and samplers.

Get2Net

Internet Support

1999 - 2001 (2 years)

I offered technical support to dial-up customers for a big internet provider in Denmark. The experience taught me many things about empathy, listening and seeing a technical matter from another person's perspective, especially a person less tech-savvy than myself. My more skilled colleagues taught me a lot about how the internet functions.

Education

Københavns Universitet - University of Copenhagen
Doctor of Philosophy (Ph.D.), Computer science · (2011 - 2014)

University of Zurich
Doctor of Philosophy - PhD, Computer Science · (2013 - 2013)

Københavns Universitet - University of Copenhagen
M.Sc., Computer science · (2007 - 2008)

Københavns Universitet - University of Copenhagen
B.Sc., Computer science · (2002 - 2006)

Københavns Universitet - University of Copenhagen
Propedeutics, Japanese · (1997 - 1998)