

NIV DAYAN

PERSONAL INFORMATION

email nivdayan@gmail.com
website nivdayan.github.io

EDUCATION

<i>Harvard University</i>	<i>2015–current</i> Postdoctoral Research in Computer Science Investigating how to manage big data for scientific applications, particularly astronomy. Also doing research on adaptive database indexing and managing the internals of flash devices. Advisors: Stratos Idreos, Pavlos Protopapas
<i>IT University of Copenhagen</i>	<i>2012–2015</i> PhD in Computer Science Investigated how to design the internals of flash devices. Spent one exchange semester in New York University. Advisors: Philippe Bonnet, Luc Bouganim, Dennis Shasha
<i>IT University of Copenhagen</i>	<i>2010–2012</i> MSc in Software Development and Technology Specialized in algorithm design and database systems. Advisor: Philippe Bonnet
<i>University of Dundee</i>	<i>2007–2010</i> BSc in Computing and Economics

PUBLICATIONS

<i>SIGMOD 2017</i>	Monkey: Optimal Navigable Key-Value Store. Niv Dayan, Manos Athanassoulis, Stratos Idreos.
<i>SIGMOD 2017</i>	Data Canopy: Accelerating Exploratory Statistical Analysis. Abdul Wasay, Xinding Wei, Niv Dayan, Stratos Idreos.
<i>SIGMOD 2016</i>	GeckoFTL: Scalable Flash Translation Techniques for Very Large Flash Devices. Niv Dayan, Philippe Bonnet, Stratos Idreos.
<i>Birte@VLDB 2016</i>	Past and Future Steps for Adaptive Storage Data Systems: From Shallow to Deep Adaptivity. Stratos Idreos, Manos Athanassoulis, Niv Dayan, Demi Guo, Mike S. Kester, Lukas Maas, Kostas Zoumpatianos.
<i>Demo@VLDB 2013</i>	EagleTree: Exploring the Design Space of SSD-Based Algorithms. Niv Dayan, Martin Kjaer Svendsen, Matias Bjoerling, Philippe Bonnet, Luc Bouganim.
<i>CIDR 2013</i>	The Necessary Death of the Block Device Interface. Matias Bjoerling, Philippe Bonnet, Luc Bouganim, Niv Dayan.

TEACHING

<i>IT University of Copenhagen</i>	<i>2014</i> Teaching Assistant MSc course in database tuning.
<i>University of Dundee</i>	<i>2009</i> Teaching Assistant BSc course in programming.

SOFTWARE

2012 - present EagleTree - SSD Simulator

A simulation framework for analysing the behaviour of SSDs, available at
<https://github.com/ClydeProjects/EagleTree>.

WORK EXPERIENCE

2012 Data Analyst

Podio, Denmark Analyzed web user behavior and engagement.

2012 Data Analyst

*Sunstone Capital,
Denmark* Analyzed industry trends and characterized investment firms using machine learning techniques.

2011-2012 Web Developer

*Netmester,
Denmark* C# back-end web development.

2010 Research Assistant

*Academia Sinica,
Taiwan* Adapted a fluid dynamics simulator to run on a GPU.

2009 Web Developer

*Calico Jack,
Scotland* Ruby back-end and front-end web development.

contact

OTHER INFORMATION

Interests guitar · drums · song-writing · science fiction

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