NIV DAYAN

PERSONAL INFORMATION

email   nivdayan@gmail.com

website   nivdayan.github.io

EDUCATION

2015–current   Postdoctoral Research in Computer Science

Harvard University   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

2012–2015   PhD in Computer Science

IT University of Copenhagen   Investigated how to design the internals of flash devices. Spent one exchange semester in New York University.
Advisors: Philippe Bonnet, Luc Bouganim, Dennis Shasha

2010–2012   MSc in Software Development and Technology

IT University of Copenhagen   Specialized in algorithm design and database systems.
Advisor: Philippe Bonnet

University of Dundee   *2007–2010*   BSc in Computing and Economics

PUBLICATIONS

VLDB 2013   EagleTree: Exploring the Design Space of SSD-Based Algorithms (demo). Niv Dayan, Martin Kjaer Svendsen, Matias Bjoerling, Philippe Bonnet, Luc Bouganim.

CIDR 2013   The Necessary Death of the Block Device Interface. Matias Bjoerling, Philippe Bonnet, Luc Bouganim, Niv Dayan.

TEACHING

2014   Teaching Assistant

IT University of Copenhagen   MSc course in database tuning.

2009   Teaching Assistant

University of Dundee   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.

OTHER INFORMATION

Interests	guitar · drums · song-writing · science fiction

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