

Nezih Yigitbasi

Software Engineer at Facebook

Summary

Nezih Yigitbasi received a BSc (honors) and an MSc degree in Computer Engineering from Istanbul Technical University in 2006 and 2008, and a PhD degree in Computer Science from Delft University of Technology in 2012. He has worked as a software engineer in the telecommunications industry between 2006 and 2008 where he had plenty of experience building scalable and highly available distributed enterprise systems using various Java technologies. His PhD thesis was about understanding and improving the performance consistency of distributed computing systems. During his PhD, he spent the summer 2010 as an Intel/Carnegie Mellon University Summer Research Fellow at Intel Research Labs, Pittsburgh, PA, and he spent summer 2011 and spring 2012 at Intel Research Labs, Hillsboro, OR as a graduate technical intern where he contributed to the design and implementation of several distributed systems. In general, he is passionate about designing, implementing, and tuning distributed systems. In particular, he is currently interested in designing and implementing distributed systems for big data analytics. So far his research has been recognized by two best paper awards and a biggest impact award.

He is also a contributor to various open source big data projects such as Apache Parquet, Pig, and Hive, and Facebook's Presto project.

For more info please visit <http://nezihyigitbasi.github.io/>

Experience

Software Engineer at Facebook

January 2017 - Present

Working on the Presto distributed SQL engine.

Senior Software Engineer at Netflix

June 2014 - January 2017 (2 years 8 months)

Worked in the big data platform team and spent a lot of time with the Presto distributed SQL engine (<http://prestodb.io/>), Apache Spark (<http://spark.apache.org/>), and Apache Parquet (<http://parquet.apache.org/>).

Research Scientist at Intel Labs

December 2012 - May 2014 (1 year 6 months)

As a member of the Big Data Analytics team, I contributed to the design and implementation of distributed systems for big data processing with a focus on machine learning and graph analytics applications.

PhD in Computer Science at TU Delft

September 2008 - December 2012 (4 years 4 months)

Thesis title: Understanding and Improving the Performance Consistency of Distributed Computing Systems

Design and implementation of distributed systems

Significant hands-on experience with Hadoop and related big data technologies

Resource management and scheduling in distributed systems

Performance evaluation, performance optimization, scalability, and statistical modeling

Graduate Technical Intern at Intel Labs

February 2012 - June 2012 (5 months)

Worked on the Gunther project, which is a machine-learning based auto-tuner for Hadoop.

(keywords: big data, Hadoop, machine learning, auto-tuning)

Graduate Technical Intern at Intel Labs

June 2011 - August 2011 (3 months)

Worked on energy efficient scheduling of MapReduce workloads on heterogeneous clusters.

(keywords: big data, Hadoop, energy-efficiency)

Intel/Carnegie Mellon University Summer Research Fellow at Intel Labs

June 2010 - August 2010 (3 months)

Dynamic and incremental placement of perception applications to minimize the end to end latency subject to capacity, placement, and migration cost constraints.

Software Engineer at Argela Technologies

December 2006 - August 2008 (1 year 9 months)

Design and implementation of telco software using JEE and C++

Software Engineer at Telenity

January 2006 - December 2006 (1 year)

Design and implementation of location based services using JEE

Education

Delft University of Technology

PhD, Computer Science, 2008 - 2012

Activities and Societies: TUDelft PhD Community: <http://tudelft.phdcommunity.nl/> YES!Delft: <http://www.yesdelft.nl/>

Istanbul Technical University

Msc, Computer Engineering, 2006 - 2008

Istanbul Technical University

Bsc, Computer Engineering, 2002 - 2006

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[Contact Nezih on LinkedIn](#)