

MINH DOAN

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EDUCATION

- **University of California at Irvine, Sep 2008 - present**
PhD of Computer Science
- **Moscow State University, Moscow, Sep 2002 - June 2007**
Master of Computer Science and Math Applied

RESEARCH INTERESTS

- *Algorithms, Information Retrieval, Data mining, Machine Learning, Database*
- *Open Sources, Distributed Systems, Social Graphs*

IT SPECIALTIES

- *Python, C++, Java, Memcached, Mysql, Solr, MapReduce, BigTable, Hadoop, Thrift, Pyramid, Cassandra, MongoDB*
- *Operating systems: Ubuntu, Android OS, Mac OSX*

PUBLICATION RESEARCH EXPERIENCE PATENT

- Patent: Publisher Click-Ring Fraud Detector
United States Patent Application 12/940/873, filed November 5, 2010
- ClickRingBuster: A Scalable System for Detecting Groups of Duplicate Publishers, to be appeared
Minh Doan, Tim Pan at Google Inc.
- An Effective Ant-Based Algorithm for the Degree-Constrained Minimum Spanning Tree Problem in IEEE-CEC 2007
Minh Doan at Moscow State University
- Online Signature Verification
Dynamic Time Warping approach. and HMM/ANN supervised by professor NiNa Popova
- Simple hand-writing letters recognition based on neural network
supervised by professor NiNa Popova at Moscow State University
- Speech Recognition of sequence of digits (0..9) using HMM
supervised by professor NiNa Popova at Moscow State University
- Branch and Bound Algorithm, and Heuristics Algorithm for TSP problem
supervised by professor NiNa Popova at Moscow State University

WORKING EXPERIENCES

- Software Engineer at Thefind- June, 2010 to present
 - *worked on several data mining and search relevance projects*
 - *worked on predicting text opinion*
 - *worked on crawling*
 - *working on improving core infrastructure*
- Software Engineer at Google June - Dec, 2009
 - *worked in Ads group - designed and implemented scalable algorithms in identifying spammers*
 - *did some improvement on scalable communities clustering research*
 - *wrote a paper on this work*
- Teaching assistant for many courses at UC Irvine, 2008 - present
 - *Introduction to Database Management*
 - *Project in Database Mangement*
 - *Compilers & Interpreters*

- Coach of ACM ICPC Teams of University of Natural Sciences, Ho Chi Minh City
- *led and trained 10 ACM-ICPC-programming teams of University of Natural Science*
- *advanced to ACM ICPC World Final 2008 at Canada*
- Java Developer at COA Solutions Inc., Vietnam, 2008
- *designed and implemented business applications*
- Information Retrieval Software Engineer at Yandex Inc, Moscow Russia.
- *wrote code for scalable indexing*
- *implemented distributed crawler*
- *improved the search quality*
- OpenWay Co., Moscow, Russia(2005) - Technical support for banking systems.

AWARDS HONORS

- Awarded Regents Fellowship, University of California, 2008
- Admission to Ph.D program of Computer Sciences, University of WisconsinMadison
- Student Grant of IEEE-CEC 2007, 2007
- Awards for outstanding student from The embassy of Vietnam in Russia(2002, 2003, 2004, 2005, 2006, 2007).
- Moscow Computing Olympiad - **third prize**, 2006
- Moscow Computing Olympiad - **third prize**, 2005
- **1st Prize** for Scientific and Technological Creation awarded by Peoples Committee and High-Technology Management Department of Ho Chi Minh City, 2001
- **1st Prize** in the Computer Science Competition of Ho Chi Minh City, Vietnam, 2001
- USA Computing Olympiad Open Championships - **WINNER**, 2001
- USA Computing Olympiad Spring Championships - **WINNER**, 2001
- Scholarship of Ministry of Education and Training to study in Moscow State University, 2001
- Computing Challenge of University of Natural Science of Ho Chi Minh City - **WINNER**, 2000
- Vietnamese Informatics Olympiad - **silver medal**, 2000
- Scholarship for Developing Youth Talent of FPT Corporation, 2000
- Vietnamese Informatics Olympiad - **bronze medal**, 1999
- The first place in a contest for solving the TSP problem, 1999
- Vietnamese Mathematics Olympiad - bronze medal, 1997
- Award of the most excellent pupil of the year, 1997
- Mathematical Problems Solving Competition sponsored by the Vietnamese Mathematics Association - Honour prize, 1996
- Vietnamese Mathematics Olympiad - Honor prize, 1996
- Vietnamese Mathematics Olympiad - silver medal, 1993
- Award of the most excellent pupil of the year, 1993

**PROGRAMMING
EXPERIENCES**

- Strong programming and design ability.
- Excellent problem solving, critical thinking.
- Familiarity with Unix, C(10years), C++ (10years), Java(7years).
- Familiarity with javaframeworks, hadoop, hive, python, mysql, git, svn, thrift.

**OTHERS
ACTIVITIES**

- Math and Programming competiions
- Topcoder (Algorithm rating: 2069)
- Facebook puzzles
- Moscow State University ACM ICPC Competition Training, 2006
- Moscow ACM University ICPC Competition Training, 2005
- Member of of Talented Youth Club of FPT Corporation, 2001
- Vietnamese National Programming Team Training Camp, 2000
- Vietnamese National Programming Team Training Camp, 1999