

RAHUL DHODAPKAR

PERSONAL

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EDUCATION

MAY 2017 Non-degree Postbacc, **New York University**, New York, NY
GPA: 4.0/4.0

MAY 2015 Bachelor of Science in COMPUTER SCIENCE, **Yale University**, New Haven, CT
distinction in the major, GPA: 3.76/4.0

MAY 2011 High School, **Hopkins School**, New Haven, CT
cum laude, GPA: 10.4/12.0

STANDARDIZED TESTING

MCAT: 525 99th Percentile
GRE: 337 99th Percentile
SAT: 2310 99th Percentile

WORK

CURRENT AUG 2015	Consulting Engineer at MONGODB INC. New York, NY, USA
	<p>Implemented security standards for HIPAA-compliant clients using MongoDB to store medical sensor data for thousands of patients in clinical trials.</p> <p>Architected and built a core job and resource management system used daily by over 7000 employees of a major U.S. city.</p> <p>Led technical training for new hires, and designed curriculum around security products and best practices.</p>
MAR 2015 AUG 2014	Consultant at SEARS HOLDINGS CORPORATION Hoffman Estates, IL, USA
	<p>Evaluated external product interfaces for Sears' integrated home platform.</p> <p>Wrote middleware to unify distributed callback mechanisms for internet of things (IoT) applications.</p>
JUL 2014 MAY 2014	Software Engineering Intern at MONGODB INC. New York, NY, USA
	<p>Prototyped a new query optimization system for the MongoDB kernel, using machine learning techniques that reduced planning time by over 10x for certain access patterns.</p>

JULY 2013 MAY 2013	<p>Research and Development Intern at EPIC SYSTEMS Verona, WI, USA</p> <p>Led a team of interns in building a web-application for mining patient data across hospitals using Epic.</p> <p>Wrote a graph-based clustering algorithm to connect physicians based on previously seen patient characteristics to promote collaboration in the diagnosis of ambiguously-presenting patients.</p>
JULY 2012 MAY 2012	<p>Software Development Intern at VANTAGELOCAL, (now FREQUENCY) Palo Alto, CA, USA</p> <p>Developed a web application to automate quote generation for locally targeted, real time bid (RTB) advertising.</p> <p>Wrote Flash-based tools to assist advertising creative team in banner ad design.</p>
FEB 2012 MAY 2008	<p>Research Associate at YALE CHILD STUDY CENTER <i>Lab of DR. MATTHEW STATE (now at UNIVERSITY OF CALIFORNIA, SAN FRANCISCO)</i> New Haven, CT, USA</p> <p>Wrote graphical interface for CNVision tool for copy number variant (CNV) analysis.</p> <p>Developed custom scripts for data analysis and cleaning in a variety of experiments.</p> <p>Performed polymerase chain reaction (PCR) to generate samples for next-gen genome sequencing and RNA extraction for expression profiling of brain tissue.</p>

SERVICE

CURRENT AUG 2016	<p>Volunteer at MOUNT SINAI HOSPITAL, RUTTENBERG CANCER CENTER New York, NY, USA</p>
MAY 2014 SEP 2014	<p>Philanthropy Chair at SIGMA CHI FRATERNITY New Haven, CT, USA</p>
MAY 2013 SEP 2012	<p>Literacy Tutor at NEW HAVEN READS New Haven, CT, USA</p>
JUN 2009 MAY 2009	<p>TA at MOVING ACADEMY OF MEDICINE AND BIOMEDICINE Pune, MH, Republic of India</p>

LEADERSHIP

MAY 2014 AUG 2013	<p>Treasurer <i>Sigma Chi Fraternity at Yale</i></p>
JAN 2014 SEP 2012	<p>Director of Technology <i>Yale Event Management Association</i></p>
AUG 2013 SEP 2012	<p>Social Chair <i>Yale Equestrian Team</i></p>

AWARDS AND HONORS

- MAR 2018 Young Investigator Award
Travel award from Thrombosis and Hemostasis Societies of North America.
- MAY 2015 Sigma Chi Chapter Balfour Prize
For most outstanding senior in the graduating class.
- AUG 2013 Sigma Chi J. Willard Marriott Scholarship
- JUN 2013 ThinkChicago Lollapalooza Winner
Municipal innovation pitch competition by the City of Chicago
- OCT 2012 Yale Venture Creation Program Fellow
- SEP 2012 Yale Entrepreneurial Society Elevator Pitch Competition Runner Up
- MAY 2011 New Haven Register Youth of the Year
- MAY 2011 National Merit Scholarship Finalist

PRESENTATIONS

- MAR 2018 Association between variants in HRG and SERPINA10 with male gender in patients with venous thromboembolism. **Rahul M. Dhodapkar**, Daniel J. Dykas, Deqiong Ma, Alfred I. Lee.
Thrombosis and Hemostasis Societies of North America Summit
San Diego, CA, USA
- JUN 2017 Securing Distributed Database Technology
MongoDB World Conference
Chicago, IL, USA
- JUN 2016 Building Asynchronous Microservices
MongoDB World Conference
New York, NY, USA
- JUN 2016 Security in the Age of the Internet
World Scholars Leadership Conference
GEUMGANG UNIVERSITY, Nonsan, Republic of Korea
- MAR 2016 Kerberos: What is it really, and how do I use it?
MongoDB Consulting Team Meeting
New York, NY, USA

PUBLICATIONS

- OCT 2017 Mark Santolucito, Ennan Zhai, **Rahul Dhodapkar**, Aaron Shim, and Ruzica Piskac. 2017. *Synthesizing Configuration File Specifications with Association Rule Learning*. Proc. ACM Program. Lang. 1, OOPSLA, Article 64 (October 2017), 20 pages. <https://doi.org/10.1145/3133888>
- JUN 2011 Sanders SJ, Ercan-Sencicek AG, Hus V, Luo R, Murtha MT, Moreno-De-Luca D, Chu SH, Moreau MP, Gupta AR, Thomson SA, Mason CE, Bilguvar K, Celestino-Soper PB, Choi M, Crawford EL, Davis L, Wright NR, **Dhodapkar RM**, DiCola M, DiLullo NM, Fernandez TV, Fielding-Singh V, Fishman DO, Frahm S, Garagaloyan R, Goh GS, Kammela S, Klei L, Lowe JK, Lund SC, McGrew AD, Meyer KA, Moffat WJ, Murdoch JD, O’Roak BJ, Ober GT, Pottenger RS, Raubeson MJ, Song Y, Wang Q, Yaspan BL, Yu TW, Yurkiewicz IR, Beaudet AL, Cantor RM, Curland M, Grice DE, Günel M, Lifton RP, Mane SM, Martin DM, Shaw CA, Sheldon M, Tischfield JA, Walsh CA, Morrow EM, Ledbetter DH, Fombonne E, Lord C, Martin CL, Brooks AI, Sutcliffe JS, Cook EH Jr, Geschwind D, Roeder K, Devlin B, State MW. *Multiple recurrent de novo CNVs, including duplications of the 7q11.23 Williams syndrome region, are strongly associated with autism..* Neuron. 2011 Jun 9;70(5):863-85. doi: 10.1016/j.neuron.2011.05.002.

NATURAL LANGUAGES

SPANISH: Proficient
HINDI: Basic
KOREAN: Basic

PROGRAMMING AND INFORMATION SYSTEMS

LANGUAGES: Python, Perl, JavaScript, Java, C, C++, R
EXPERTISE: Information Architecture, Machine Learning, Cybersecurity
TOOLS: MongoDB, PostgreSQL, Kerberos, LDAP, SAMtools, CUDA