

RAHUL DHODAPKAR

PERSONAL

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EDUCATION

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

WORK

CURRENT AUG 2015	Consulting Engineer at MONGODB INC. New York, NY, USA	Implemented security standards for HIPAA-compliant clients using MongoDB to store medical sensor data for thousands of patients in clinical trials. Architected and built core the core job and resource management system used daily by over 7000 employees of a major U.S. city. Led technical training for new hires, and developed new course materials around security features and best practices.
MAR 2015 AUG 2014	Consultant at SEARS HOLDINGS CORPORATION Hoffman Estates, IL, USA	Evaluated external product interfaces for Sears integrated home platform. Wrote middle-ware to create single interface for multiple smart home products.
MAR 2015 AUG 2014	CTO at HUDDL New Haven, CT, USA	Led full product development of Huddlr mobile application, including integration of Bluetooth Low Energy (BLE) and GPS geo-fencing functionality. Developed marketing strategy and technical roll-out plan for application beta release.
JUL 2014 MAY 2014	Software Engineering Intern at MONGODB INC. New York, NY, USA	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.

JULY 2013 MAY 2013	<p>Research and Development Intern at EPIC SYSTEMS Verona, WI, USA</p> <p>Headed a team of interns to build a web-application mining patient data across hospitals using Epic.</p> <p>Wrote a graph-based clustering algorithm to connect physicians and support them in diagnosis of ambiguously-presenting patients.</p>
JULY 2012 MAY 2012	<p>Software Development Intern at VANTAGELOCAL, (<i>now</i> 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</i> DR. MATTHEW STATE (<i>now at</i> UNIVERSITY OF CALIFORNIA, SAN FRANCISCO) 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>

PUBLICATIONS

- JAN 2017 VeriConf: Synthesizing Configuration Rules through Association Rule Learning
Submitted, currently under review
[COMPUTER AIDED VERIFICATION] [CO-AUTHOR]
- JUN 2011 Recurrent de novo copy number variations (CNVs) at 7q11.23, 15q11.2-13.1, 16p11.2, and the Neurexin 1 (NXRN1) locus are strongly associated with simplex autism. (PubMed: [PMC3939065](#))
[NEURON] [CO-AUTHOR]

AWARDS AND HONORS

- 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

SPEAKING

- 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

LANGUAGES

- SPANISH: Proficient
HINDI: Basic
KOREAN: Basic

PROGRAMMING AND INFORMATION SYSTEMS

- LANGUAGES: Python, Perl, JavaScript, Java, C, C++, R
EXPERTISE: Information Architecture, Cybersecurity
TOOLS: MongoDB, Kerberos, LDAP, SAMtools, BioPAX