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 Huddlr
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	**Research and Development Intern at EPIC SYSTEMS** Verona, WI, USA Headed a team of interns to build a web-application mining patient data across hospitals using Epic. Wrote a graph-based clustering algorithm to connect physicians and support them in diagnosis of ambiguously-presenting patients.
JULY 2012 MAY 2012	**Software Development Intern at VANTAGELOCAL,** *(now FREQUENCE)* Palo Alto, CA, USA Developed a web application to automate quote generation for locally targeted, real time bid (RTB) advertising. Wrote Flash-based tools to assist advertising creative team in banner ad design.
FEB 2012 MAY 2008	**Research Associate at YALE CHILD STUDY CENTER** *Lab of* DR. MATTHEW STATE *(now at* UNIVERSITY OF CALIFORNIA, SAN FRANCISCO*)* New Haven, CT, USA Wrote Markov-Chain-Monte-Carlo algorithms for copy number variation prediction in multiplex families with autism. Performed polymerase chain reaction (PCR) to generate samples for next-gen genome sequencing and RNA extraction for expression profiling of brain tissue.

SERVICE

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

LEADERSHIP

MAY 2014 AUG 2013	Treasurer *Sigma Chi Fraternity at Yale*
JAN 2014 SEP 2012	Director of Technology *Yale Event Management Association*
AUG 2013 SEP 2012	Social Chair *Yale Equestrian Team*

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