RAHUL NATH

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Education

Williams College, Williamstown, MA   *Computer Science and Economics; B.A. candidate, 2015*
Glen Cove High School, Glen Cove, NY   *Valedictorian of the Class of 2011*

Work Experience

Research and Programming:

Naval Research Laboratory; **Summer Contractor**   *July 2014 – Sept. 2014*

Conducted application-oriented artificial intelligence research in word sense and structural disambiguation algorithms and automated planning for the Autonomous Squad Member project (ASM). Funded under a DoD Contract.
Work will be featured in a forthcoming publication co-authored with David Aha of the Naval Research Lab and Matthew Molineaux of Knexus Research Corporation.

Mobiquity Inc, **Software Engineering Intern**   *May 2014 – July 2014*

Integrated cutting edge technology like iBeacons, Google Glass, and Raspberry PIs into Android apps
Conceptualized and designed the UX, UI, and business logic for prototype applications
Full stack app development following AGILE methodologies
Utilized Amazon Web Services (EC2, DynamoDB, S3, Kinesis, and Cognito).

Middlebury Interactive Languages, **Software Researcher Intern**   *June 2013 – August 2013*

Researched speech recognition software for the company's language learning program.
Developed a prototype recognition program using CMU Sphinx4
Debugged products and suggested improvements to the technology and business approach.

Leading, Organizing, and Problem Solving:

Williams College Computer Science Department, **Teaching Assistant**   *Sept. 2013 – Sept. 2014*

For *Data Structures and Advanced Programming* under Jeannie Albrecht and Duane Bailey.
Instructed students through lab problems and answered questions regarding data structures and algorithms.

Office of Informational Technology, **Student Technology Consultant**   *Sept. 2012 – Present*

I diagnose and troubleshoot software problems affecting the Williams College student community.

Williams College Music Department, **Concert Manager Assistant**   *Sept. 2011 – Present*

I handle instrumentation, lighting, seating, and advertising for upcoming music events.

Long Island Progressive Coalition, **Canvasser and Organizer**   *July 2010 – Nov. 2010*

Promoted quality affordable housing initiatives on Long Island.
Convinced residents to write hand-written letters in coordination with a canvassing team.
Helped to organize Walk For Education for Wyandanch School District.

Programming, Software, and Language Expertise

Main Languages: Python, Java, C, and Lisp
Proficiency in: Ruby on Rails, Android App Dev, Node.js, HTML/CSS, x86/ARM Assembly, Unix/Bash, Scala, & ML
Skilled with: STATA and R statistical software, LaTeX, and Microsoft's Word, Excel, and PowerPoint
Amazon Web Services Business Professional Accreditation
Bengali *(Fluent: S)*, Spanish *(Beginner: R, W, S)*, French *(Beginner: R, W, S)*

Activities, Leadership, and Academic Accomplishments

Class of 1960's Economics Scholar
Dean's List at Williams College
Co-Founder and President; Williams Strength Club   2014 – present
Williams Student Online Executive Board; Moderator   2013 – present
The Williams Octet (a cappella group)   2013 – present
WCFM Radio Executive Board; Webmaster   2012 – present
Williams College Debating Union   2011 – 2013
Conceptualized and organized annual "Pay it Ephward Silent Auction" event.
Over $3000 raised since inception. Proceeds go to the Berkshire Food Project.