

RAHUL NATH

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Education

Williams College, Williamstown, MA
Glen Cove High School, Glen Cove, NY

Computer Science and Economics; B.A. candidate, 2015
Valedictorian of the Class of 2011

Work Experience

Research and Programming:

Student Contractor: *Naval Research Laboratory, Washington DC*

July 2014 – Sept. 2014

Autonomous Squad Member project (ASM): Conducted application-oriented artificial intelligence research in word sense and structural disambiguation algorithms and automated planning

Co-authored paper with David Aha of the Naval Research Lab and Matthew Molineaux of Knexus Research

Software Engineering Intern: *Mobiquity Inc, Wellesley, MA*

May 2014 – July 2014

Integrated cutting edge technology like iBeacons, Google Glass, and Raspberry PIs into Android apps

Conceptualized the UX, UI, and business logic for prototype applications following AGILE methodologies

Utilized Amazon Web Services (EC2, DynamoDB, S3, Kinesis, and Cognito).

Software Researcher Intern: *Middlebury Interactive Languages, Middlebury, VT*

June 2013 – August 2013

Researched and developed a prototype recognition program using CMU Sphinx4 for the company's software

Debugged products and suggested improvements to the technology and business approach

Leading, Organizing, and Problem Solving:

Teaching Assistant: *Williams College Computer Science Department*

Sept. 2013 – Sept. 2014

Instructed students through lab problems and answered questions regarding data structures and algorithms

Student Technology Consultant: *Office of Informational Technology at Williams*

Sept. 2012 – Present

Diagnosed and troubleshoot software problems affecting the Williams College student community

Concert Manager Assistant: *Williams College Music Department*

Sept. 2011 – Present

Handled instrumentation, lighting, seating, and advertising for upcoming music events

Canvasser and Organizer: *Long Island Progressive Coalition, Massapequa, NY*

July 2010 – Nov. 2010

Empowered residents to hand-write letters in support of quality affordable housing initiatives on Long Island.

Helped 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

Conceptualized and organized annual "Pay it Forward Silent Auction" event.

Over \$3000 raised since inception. Proceeds go to the Berkshire Food Project.