J A Y A N T H (J A Y) D E V A N A T H A N

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EDUCATION

Georgia Institute of Technology, Atlanta, Georgia   **August 2014 - Present**
- Candidate for Bachelor of Science in Computer Science
- Taken courses in Object-Oriented Programming(CS 1331), Calculus, and Linear Algebra
- Currently taking courses in Data Structures and Algorithms(CS 1332) and Multivariable Calculus
- GPA: 4.0

Thomas Jefferson High School for Science and Technology, Alexandria, Virginia   **September 2010 - June 2014**
- Taken courses in AP Computer Science, Artificial Intelligence, Parallel Computing, Computer Systems Research
- Solid background in software development techniques such as implementing sorting algorithms (heap, quick, merge sort) and data structures (trees, sets, maps, recursion, arrays, linked lists, stacks, queues), Big-O analysis, Image Processing, Heuristics, Neural Networks
- National Merit Scholar Finalist
- Weighted GPA : 4.45/5.0

TECHNICAL SKILLS

Experienced in Java and HTML
Familiar with MATLAB and Python

WORK EXPERIENCE

Aspiring Scientists Summer Internship Program, Fairfax, Virginia   **June 2012 - August 2014**
Research Intern
- Worked in the Bioengineering Department at George Mason University under Dr. Siddhartha Sikdar
- Co-authored a paper published in IEEE Scientific Journal.
- Developed an arm prosthetic software in MATLAB that used image processing to analyze muscle ultrasound.
- Worked with a 3D Virtual Hand, coded in C, to emulate prostheses software output.
- Designed software, planned experimentation design with others in the lab for collecting ultrasound video data, collaborated with research students, and presented results.

LEADERSHIP, HONORS, AND EXTRACURRICULAR ACTIVITIES

Georgia Tech Model United Nations(GTMUN) Competitive Team, Member   **September 2014 - Present**
- Selected to represent Georgia Tech in Model UN conferences across the nation.

GTMUN Conference, Director of Plenary General Assembly   **August 2014 – October 2014**
- Directed a 100-person committee at Georgia Tech's annual Model UN Conference.

Freshman Servant Leadership Organization(FSLO), Treasurer   **September 2014 - Present**
- Manage a $2,000 budget for service projects and events in the Atlanta community.

Science Fair: *Digit Detection Using Ultrasound Imaging of Muscle Activity*   **September 2012 - April 2013**
- 1st Place- Fairfax Regional Science Fair(2013)
- Grand Prize Nominee - Fairfax Regional Science Fair(2013)
- 1st Place - TJHSST Science Fair(2013)

Growth and Inspiration through Volunteering and Education(GIVE) - Tutor,
Web Designer, Manager of Centreville Branch   **September 2012 - June 2014**
- Managed a tutoring center in Centreville for children in elementary and middle schools.
- Met 2 hours a week during the summer for setting up an automatic emailing system and designing the GIVE website.

Model UN, Member(2010-2012), Webmaster(2012-2014)   **September 2010 - June 2014**
- Active member since middle school; managed and maintained the current club's Model UN Website.
- Chaired and ran committees for high school's annual Model UN Conference.

Latin Honor Society, Member (2012-2013), Webmaster(2013-2014)   **September 2012 - June 2014**
- 2nd in Country – NJCL Website Contest
- 3rd in Country – NCJL Dramatic Interpretation Advanced Prose