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 – May 2018**
Candidate for Bachelor of Science in Computer Science, GPA: 4.0
Enrolled in the Steven A. Denning Technology and Management Program, Class of 2018
- Completed Computer Organization and Programming (CS 2110) and Intro to Artificial Intelligence (CS 3600)
- Taking Systems and Networks (CS 2200) and Design and Analysis of Algorithms (CS 3510)

Thomas Jefferson High School for Science and Technology, Alexandria, Virginia
- GPA: 4.45/5.0
- Four years of Computer Science experience – AP Computer Science, Parallel Computing, Artificial Intelligence

TECHNICAL SKILLS

Technical Languages: Java, Objective C, Swift, Python, Assembly, HTML/CSS, PHP, SQL, JavaScript, JSP, Verilog
Software/Software Tools: Android Studio, XCode, Microsoft Office Suite, Eclipse, Postman, Oozie, Parse, Maven
Revision Control Systems: Git/Github, Apache Subversion
Operating Systems: Windows, Linux, OS X
Other Skills: OOP, J2EE, REST services

WORK EXPERIENCE

Automatic Data Processing, Inc. (ADP)   **June 2015 – August 2015**
Software Performance Intern – Alpharetta, Georgia
- Migrated ADP's Workforce Now Platform from Websphere Application Server(WAS) 7.0 to WAS 8.0 Liberty Profile.
- Fixed issues with Maven dependencies, JSP's (java server pages), Enterprise beans, and REST services
- Participated in reading data from a transactional database to a Hadoop Data Store using Hive for data analytics

FPGA Security Research   **January 2015 – April 2015**
Research Intern – Atlanta, Georgia
- Designed information control flow policies for Field Gate Programmable Arrays
- Implemented secure circuit designs in Verilog for enforcing secure information policies

Aspiring Scientists Summer Internship Program   **June 2012 - August 2014**
Research Intern – Fairfax, Virginia
- Developed software that determined muscle ultrasound movement with 90% accuracy using image processing
- Co-authored a paper published in IEEE Scientific Journal with Dr. Siddhartha Sikdar

PROJECTS

Duly Noted   **First Place, HackDuke Education Track: Web Application**
- Developed a javascript application that transcribed lecture speech and produced organized notes in real-time
- Utilized Google Web Speech API and JQuery for speech transcription and organization of text based on keywords

Marco Polo   **HackGT Project : Android Application**
- Designed an application in Android Studio that determined a group meeting place based on multiple phone locations
- Utilized GPS and Google Maps libraries to determine and display phone locations; Parse for database communication

Receipt Register   **Personal Project : iOS Application**
- Developed application views using UINavigationController containing UITableViewControllers for lists of expenses
- Implemented NSCoding protocol for saving data, NSNotificationCenter in scheduling model updates with user input

LEADERSHIP, HONORS, AND EXTRACURRICULAR ACTIVITIES

Teaching Assistant, Object-Oriented Programming (CS 1331)   **August 2015 – December 2015**
- Taught students OOP concepts through recitation and office hours
- Administered and graded timed labs, tests, and homework throughout the course