

# JAYANTH (JAY) DEVANATHAN

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## EDUCATION

### Georgia Institute of Technology, Atlanta, Georgia

August 2014 – May 2017

Candidate for Bachelor of Science in Computer Science, GPA: 4.0

- Completed Object-Oriented Programming (CS 1331), Data Structures and Algorithms (CS 1332), and Linear Algebra
- Completed Computer Organization and Programming (CS 2110) and Intro to Artificial Intelligence (CS 3600)

### Thomas Jefferson High School for Science and Technology, Alexandria, Virginia

Graduated June 2014

- 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

- 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

- 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

- 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 NSCodering protocol for saving data, NotificationCenter in scheduling model updates with user input

## LEADERSHIP, HONORS, AND EXTRACURRICULAR ACTIVITIES

### Teaching Assistant, Object-Oriented Programming (CS 1331)

August 2015 – December 2015

- Teach students OOP concepts through recitation and office hours
- Administer and grade timed labs, tests, and homework throughout the course