# JAYANTH(JAY) DEVANATHAN

jdevanathan3@gatech.edu • https://github.com/jdevanathan3 • 571-315-3823 • U.S. Citizen
350 Ferst Drive, #333907 Georgia Tech Station, Atlanta, GA 30332 • jdevanathan3.github.io

## 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 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