

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 2018

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
- Taking 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, iOS/Objective C, Android, Python, CSS, HTML, PHP, SQL, Hive, JavaScript, JSP, Verilog

Software/Software Tools: Microsoft Office Suite, Eclipse, XCode, Postman, Oozie, Parse

Revision Control Systems: Git/Github, Apache Subversion

Operating Systems: Windows, Linux, OS X

Other Skills: OOP, J2EE, Maven, 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 database services
- Tested REST service functionality in Workforce Now mobile services with Postman
- 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 an arm prosthetic software in MATLAB that used image processing techniques to analyze muscle ultrasound movement with a 90% accuracy
- Co-authored a paper published in IEEE Scientific Journal with Dr. Siddhartha Sikdar

PROJECTS

Marco Polo

HackGT Project : Mobile 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 : Mobile Application

- Designed an application in Swift to keep a running total of expenses in a model-view-controller layout
- 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 – Present

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

Freshman Servant Leadership Organization(FSLO), Treasurer

September 2014 - Present

- Manage a \$2,000 budget for service projects and events in the Atlanta community.