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**
GPA: 4.0
Candidate for Bachelor of Science in Computer Science
- Enrolled in Machine Learning (CS 4641)
  - Implemented linear regression and cross-fold validation using SPECT Heart Data in Python
- Completed Introduction to Artificial Intelligence (CS 3600) and Design and Analysis of Algorithms (CS 3510)
- Enrolled in the Steven A. Denning Technology and Management Program, Class of 2018

Thomas Jefferson High School for Science and Technology, Alexandria, Virginia
- Took AP Computer Science, Parallel Computing, and Artificial Intelligence. Maintained an overall GPA of 4.45 / 5.0

TECHNICAL SKILLS

Technical Languages: JavaScript (React, Node, D3, Angular), Java, Python, Haskell, Bash, C, SQL, HTML/CSS, Swift
Software/Software Tools: Docker, Spark, Hadoop, Kubernetes, Ansible, Vsphere, Postman, IntelliJ, XCode, Maven, Vim
Revision Control Systems: Git / Github, Apache Subversion
Other Skills: Redux, Functional Programming, OOP, J2EE, REST services

WORK EXPERIENCE

IBM Security   **June 2016 – August 2016**
Security Systems Software Development Intern – Atlanta, Georgia
- Developed graph code in IBM's Watson for Security application that linked user-accessed IP's to potential threats
- Created and tested automation jobs that compressed and migrated 130 GB of security data to a local database
- Utilized Ansible to set up configurations for machines, Kubernetes and Docker to schedule and run jobs
- Implemented data visualization features in React and D3, such as creating security data graphs and offense views

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
- Utilized Spark to read data from a transactional database to a Hadoop Data store

Aspiring Scientists Summer Internship Program   **June 2012 - August 2014**
Research Intern – Fairfax, Virginia
- Developed a k-NN classifier for 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, Hack Duke Education Track: Web Application**
- Developed a note-taking 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

Co-Pilot   **Honorable Mention, Hack Emory: Web Application**
- Developed a JavaScript application that scheduled Google Calendar appointments by reading group messages
- Utilized pos-js for parsing sentences, Google Calendar API for scheduling, and Slack API for group messaging

Groupology   **HackGT Project : Web Application**
- Created a group conversation analytics application that currently has 2600+ views
- Analyzed conversations from GroupMe using natural language processing and visualized results with D3

LEADERSHIP, HONORS, AND EXTRACURRICULAR ACTIVITIES

Teaching Assistant, Object-Oriented Programming (CS 1331)   **August 2015 – December 2015**
- Taught students Object-Oriented Programming concepts through recitation and office hours