# David Awad

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**B.S. Computer Science Undergraduate Major, Minoring in Music and Philosophy. May, 2016**

## Experience

**Infrastructure Engineering Intern**          **Atlanta, Georgia**
*MailChimp*          *May 2015 – August 2015*

Building Internal Tools to keep track of all of our production hardware which provided a rest API to automate the provisioning and deployment of a datacenter containing over 240 production servers as well as Extensive monitoring of all servers, traffic, load balancing of all servers which received over 6,000 requests per second. Using performance monitoring over time, performed data research on the size vs. speed of data to store on our dedicated database production and standby servers.

**Software Development Intern**          **Princeton, New Jersey**
*Addteq Inc.*          *December 2014 – May 2015*

I was responsible for completely redesigning and rebuilding our career portal from scratch using AngularJS and jQuery. Writing various unit tests to run on our production servers that will ensure performance on our commercial software. Setting up and deploying the ELK stack along with logstash forwarder and using it's interface to design effective routine server analytics. Unit testing for our web applications with CasperJS, PhantomJS and scanning utilities like WPScan to record errors on our JIRA. Basic Linux Administration as well as multiple different developer infrastructure builds such as configuring Apache-Tomcat with Jenkins or Stash and Bamboo.

**Lead App Developer**          **New Brunswick, New Jersey**
*Robert Wood Johnson University Hospital*          *November 2014 – April 2015*

I worked pro bono as the lead developer on a Python Django application to be used internally to improve the efficiency of their service and organization for their busy attending doctors and pharmacists. I led a tight team of usually two to three other developers at a time organized through small sprints over GitHub.

## Skills

### Technical Skills

- **Programming / Scripting Languages:** *C, JavaScript, Python, Java*

- **Markup Languages:** *HTML5, CSS3, SASS/SCSS, Markdown, LaTeX, HAML, Jade, XML*

- **Frameworks / Libraries:** *Flask, Foundation, jQuery, NodeJS, Android, CasperJS, Express.JS, Arduino*

- **Database Systems:** *MongoDB, mySQL, PostgreSQL*

- **Dev-Ops Tools:** *Travis-CI, Vagrant, Puppet, Subversion, Docker, Stash, Jenkins*

- **Coursework:** *Graduate Operating Systems Design, Systems Programming, Computer Architecture, Database Management Systems, Data Structures, Web Design*

## Personal Projects

- **Insightweets** *Insightweets was an app meant to gather insights about specific kinds of people in any geographic location using twitter and machine learning. It would query twitter for location based data and then process it using machine learning. Built using NodeJS, Express, Jade, LESS, and the Twitter API. This project won the IBM Bluemix prize at HackNY in 2015.*

- **Spaceshare.me** *SpaceShare is a project I created so that I could quickly and easily share files between any computers by simply associating an integer with whatever file you need. It uses Python-Flask with MongoDB and Foundation.*

- **Waves** *The Wave project is a social network for your brainwaves. It utilized an android app that interfaced with the Muse headband on android and allowed you to instantaneously tweet your brainwaves at anytime. You could log in with twitter, facebook, or github authentication. It was built using NodeJS, Express.JS, Jade, LESS, MongoDB, Twitter, Android and the Muse brainwave headband.*

- **I have many other Free and Open Source Software projects available on GitHub.**

## Awards and Extra Curricular Activities

- **Hackathon Prizes**
  *Second Place HackNJIT '14,  Third Place HackRU '13, IBM Bluemix Prize HackNY '15*

- **LSAMP Scholar**
  *Scholarship Recipient,*

- **TA Experience**
  *Teaching Assistantship,*
  PSY 90 introductory Positive Psychology course Course on happiness.

- **Public Relations Manager and Web Designer**
  *Rutgers University Judo Club,  Manage and Improve the representation of the Rutgers Judo Club*

- **Technological Coordinator**
  *Rutgers University Glee Club, Responsible for maintaining all the technologies.*
  Such as the website, IT support and Data Management, Email Lists, etc.

- **Hackathon Organizer**
  *Rutgers University Student Alliance of Computer Scientists,  A member of the team responsible for* all organizational aspects of planning the Bi-Annual Hackathon, HackRU.

- **Founding Member**
  *Rutgers University Security of Information Club,*

# Interests

- I was on the soccer team for three years in High School and I've organized games between many different friends I'm close with every summer since I've graduated.

- I have been singing for over six years, I've been a member of the Rutgers University Glee Club for three years, and was in My High School Choir for three years before that. I've traveled with choirs to multiple cities on the east coast for performances and competitions such as Chicago, Illinois, and more recently Baltimore, Maryland.

- I've done four years of Musical Theater and placed in the top 5 in the STANJ competition my senior year of High School.

- I currently study Judo and have competed in multiple Judo tournaments with the Rutgers University Judo Team.