

Krunal Jhaveri

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EDUCATION:

Master of Science in Computer Science Expected Graduation: May 2015
North Carolina State University GPA: 3.67

Bachelor of Engineering in Information Technology Graduated: May 2013
University of Mumbai GPA: 3.81

TECHNICAL SKILLS:

Languages: Java, Ruby, C, C++, Python, R Tools: Git, OpenStack, Eclipse
Web Technologies: JavaScript, Node.js, Dart, Django Databases: Hadoop, Hive, Oracle 10g

EXPERIENCE:

Cisco Systems, Software Engineer 2 Co-Op Oct 2014 to Present

- Development of mobility features to support end-user communication on Cisco's next generation collaboration services.
- Implementations of call queuing and media sharing features via call manager software to improve customer experience.
- Writing unit tests in Python and updating automation test framework named Tngpi.
- Developed a web interface using Django and Pexpect to simulate Cisco's calling interface.

VeriSign, Software Engineering Intern May 2014 to Aug 2014

- Developed Automation test suites for VeriSign's Traffic Monitoring System for .com and .net domains in Ruby/Cucumber.
- Implemented Thousand Eyes Alerting Framework for DNS queries that help in reducing false positives used in DDOS mitigation.
- Developed validation scripts for SLA Volume and Latency reporting for .Com DNS and Web Whois.

North Carolina State University Controller's Office, Web Developer Nov 2013 to May 2014

- Re-designed ofd.ncsu.edu and developed a web portal for Office of Finance, NCSU (fis.ncsu.edu) in Wordpress.
 - Upgraded finance and business dashboard that allows authenticated users to view and manage budget for university.
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ACADEMIC PROJECTS:

Graph data mining for Time Varying Graphs Nov 2014

- Implemented anomaly detection algorithm on time varying graphs to predict anomalies in mobile phone communications.
- Developed an interface to identify overlapping communities in real world graphs like Amazon, Facebook, youtube, etc.

Quasi Replication in Hadoop April 2014

- Developed a custom replication layer in Hadoop to process RDF tuples and group them by subject for query optimization.
- Designed an algorithm to rebuild object triple groups from subject triple groups to increase fault tolerance in Hadoop.

Twitter Sentiment Analysis Feb 2014

- Developed a web interface which queries live Twitter feeds to classify tweets as positive or negative sentiments.
- Implemented Naïve Bayes and Bags of words classifying algorithms in Python using Natural Language Toolkit (NLTK).

Mozilla 2D Canvas API Nov 2013

- Developed a Canvas application that runs Servo engine on Mozilla's Rust API.
- Implemented simple API calls to render HTML Canvas webpage as a contribution to Mozilla Open Source project.

Expertiza, Peer Grading System Oct 2013

- Developed fast and efficient UI for Expertiza which allowed students to view their scores, using JQuery tabs in Ruby on Rails
- Worked on developing rubrics which randomizes peer review and meta-review questionnaire.

Edu-Construct 3D, A Mobile Augmented Reality App Mar 2013

- Implemented marker based Augmented Reality techniques that are to be used in day-to-day educational purpose.
 - Developed a Tracking manager on Android to replace the Augmented Reality Marker with corresponding 3D animated objects.
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ACADEMIC ROLES:

Teaching Assistant for CSC 517: Object Oriented Design and Development, NCSU Aug to Nov 2014

- Mentored and collaborated on Mozilla Servo open source projects including implementation of XML Parser and Server APIs.
- **Outstanding TA 2014 award** by UGSA-NCSU for this course.

Microsoft Student Partner Dec 2011 to Nov 2012

- Conducted sessions and demos on Windows Phone App Development in XAML with Microsoft India Academia Team.
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GRADUATE COURSEWORK:

Advance Algorithms, Analysis & Design of Algorithms, Object Oriented Languages and Systems, Artificial Intelligence-I, Machine Learning, Big Data Systems, Graph Data Mining, Software Security.