

Biyanta Shah

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EDUCATION

Northeastern University , Boston, MA	Dec. 2017
Master of Science in Computer Science.	GPA: 3.79/4.0
Courses: Algorithms, Web Development, MapReduce, Software Development, Information Retrieval	
Nirma University , Ahmedabad, India	May 2015
Bachelor of Technology in Information Technology.	GPA: 7.90/10.0
Courses: Data Engineering, Operating Systems, Mobile Computing, Analysis and Design of Algorithms	

TECHNICAL SKILLS

Languages	:	Java, C/C++, C#, Scala, MATLAB, XML, JSP, Python
Web Technologies	:	JavaScript, HTML5, CSS3, Bootstrap, AngularJS, Node.js, jQuery
IDE	:	Eclipse, IntelliJ, Visual Studio, WebStorm, PyCharm
Tools	:	Elasticsearch, Kibana, Amazon AWS, Heroku, Atlassian tools, Git-SVN, Github, Jenkins, Maven
Database	:	MySQL, MongoDB
Frameworks	:	Hadoop, JUnit, Spark, Express, Swing, AWT, .NET(Windows Form)

PROFESSIONAL EXPERIENCE

Northeastern University , Boston, MA	
• Graduate Teaching Assistant for Discrete Structures	Sept. - Dec. 2017
• Graduate Teaching Assistant for Algorithms and Data Structures	May - Aug. 2017
• Graduate Teaching Assistant for Theory of Computation	Jan. - April 2017
Smartleaf Inc , Cambridge, MA (C++, Git-SVN)	June - Dec. 2016
C++ Financial Engineer (Co-op)	
• Implemented new features for their application SLAE - an analytical tool, using C++ and debugged using GDB.	
• Refactored the old C code to conform to C++11 standards.	
• Redesigned logic to fix errors and improve accuracy.	
• Worked using agile methodologies with Atlassian tools such as JIRA, Fisheye and Confluence.	
Scanpoint Geomatics Ltd. , Ahmedabad, India (C#)	May - Aug. 2014
Software Developer Intern	
• Engineered IRS 1C/1D Image Visualization tool in C# as a Win Form application. Computed image enhancement techniques such as logarithmic enhancement and Principal Component Analysis.	

ACADEMIC PROJECTS

Web Crawler , Northeastern University, USA (Java, Elasticsearch, Kibana)	May - Aug. 2017
• Developed a web crawler which would crawl relevant documents starting from a seed url using BFS.	
• Relevance was validated using a special scoring mechanism and the entire corpus indexed using Elasticsearch.	
Committee Designer , Northeastern University, USA (Java, MySQL, Swing, RDS, Servlets)	Jan. - April 2017
• Parsed a 2GB dblp.xml file using JAXB parser, storing the data in MySQL and hosting the same on Amazon RDS.	
• Used Swing for developing UI and implemented black box testing and white box testing using JUnit.	
• Used Jenkins for continuous integration and JIRA for issue tracking.	
Eco-Note (Note-Taker), Northeastern University, USA (Web Technologies)	Jan. - April 2016
• Developed a web application which allows users to take notes depending on their subjects and organizing them.	
• Client side is developed using HTML5, CSS3, Bootstrap and AngularJS. Server side scripting is done in Node.js and the database used is MongoDB. Used RESTful API for communication between client and server.	
• Hosted the application on Heroku.	
Online Finance Management , Northeastern University, USA (JSP, MySQL, Java)	Sept. - Dec. 2015
• Implemented a web application which manages expenses for households and individuals. Used Java As backend, Apache TOMCAT as the server and HTML5, CSS3 for designing the front end of the system.	

INTERESTS AND ACTIVITIES

- Public Relations Officer (PRO), RCNI – a cultural and social club of Nirma University.