RUSHIT SANGHRAJKA

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EDUCATION

UNIVERSITY OF UTAH
Salt Lake City, UT   August 2017- Current
- Currently pursuing a PhD in Computing, under the Human Centered Computing track.
- Advisor: Prof. R Michael Young

RUTGERS THE STATE UNIVERSITY OF NEW JERSEY, NEW BRUNSWICK CAMPUS
New Brunswick, NJ   January 2015- January 2017
- Graduated summa cum laude with a BS degree in Computer Science.
- GPA (on a scale of 4.0): 3.9.

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE (VJTI)
Mumbai, India   July 2012- September 2014
- Completed two academic years in B.Tech in Information Technology and transferred to Rutgers.
- CPI- Cumulative Performance Index (on a scale of 10): 8.5.

ADDITIONAL COURSEWORK
- *Beginning Game Programming in C#,* offered by **University of Colorado, Colorado Springs (Coursera)**
- *Creative Programming for Digital Media & Mobile Apps,* offered by **University of London (Coursera)**

PUBLICATIONS

1. Rushit Sanghrajka, Daniel Hidalgo, Patrick P. Chen, and Mubbasir Kapadia. 2017. LISA: Lexically Intelligent Story Assistant. *Proceedings of the 13th Artificial Intelligence and Interactive Digital Entertainment Conference (2017)*.

RESEARCH PROJECTS

CARDINAL- COMPUTER ASSISTED AUTHORING FOR MOVIE SCRIPTS   Summer 2017
- Research project at Disney Research.
- Tackles challenges that LISA faced, and introduces character-centric knowledge representation and reasoning for stories. Submitted to IAAI 2018 and IUI 2018.

LISA- LEXICALLY INTELLIGENT STORY ASSISTANT   Spring 2016- Spring 2017
- Research project with Prof. Mubbasir Kapadia, Rutgers University.
- Focuses on assisting story-writers in real-time by flagging inference-based errors in a story, and allows the user to query the story knowledge in natural language. Presented at AIIDE 2017.

LEARNING SEQUENCE ALIGNMENT ALGORITHMS USING BLOCKLY   Spring 2016
- Research project with Prof. Alexander Schliep, Rutgers University.
- This project uses puzzle blocks to teach sequence alignment algorithms commonly used in DNA sequence alignments to people with a non-coding background.

TEACHING EXPERIENCE

PEER INSTRUCTOR, RUTGERS UNDERGRADUATE ACADEMIC AFFAIRS
New Brunswick, NJ   Fall 2016
- Design and teach a ten-week course titled Exploring Computer Science. Syllabus for this course can be accessed here.

LEARNING ASSISTANT, RUTGERS MATH AND SCIENCE LEARNING CENTER

New Brunswick, NJ   Fall 2015- Fall 2016
- Introduction to Discrete Structures   Fall 2015, Spring 2016
- Introduction to Computer Science   Fall 2016

WORK EXPERIENCE

LAB ASSOCIATE, DISNEY RESEARCH

Glendale, California   Summer 2017
- Worked along with the Disney Research Zurich team on Cardinal.

SUMMER TECHNOLOGY ANALYST, JPMORGAN CHASE & CO.

Jersey City, New Jersey   June 2016- August 2016
- Worked on technical projects within the Corporate Investment Bank Division.

SOFTWARE DEVELOPER, RUDRAYA TECHNOLOGIES

South Brunswick, New Jersey   February 2015- March 2017
- Worked on KEEP platform, a web-based application for clinical trial pharmaceutical research.

WEBSITE DESIGN INTERN, BUTTERFLY DIAMONDS

Mumbai, India   May 2014 - July 2014
- Designed and built the company website, developing the databases and connecting to a cloud server.

OTHER RELEVANT PROJECTS

ANIMATION AND NAVIGATION IN UNITY

Digital Storytelling Honors Seminar   Spring 2016
- Individually built various projects in Unity with Animation, Navigation and both.

MALL MANAGEMENT RDBMS MODEL

Database Management Systems   Spring 2014
- Designed in MySQL, with a focus on the DBMS system being used by the mall administration team. A web application interface was built to access the information.

TECHNICAL SKILLS

- **Programming languages:** C, C++, C#, Java, Python, PHP, Shell Script.
- **Software:** ZWCAD, Microsoft XNA framework, Unity 3D Game Engine, SteerSuite Simulator.
- **Database management:** SQL.
- **Webpage Designing:** HTML, JavaScript, CSS, AJAX
- **Version Control:** Git.
- **Software Development:** JavaFX, WPF.

LEADERSHIP EXPERIENCE

- Peer Leader at Rutgers University for the year 2015-16.
- Internship Coordinator for the Third Year B.Tech IT class in VJTI from July to October 2014.
- Class Representative (CR) for First Year and Second Year of B.Tech IT in VJTI i.e. for the academic years 2012-2014.
- Department Head for IT Department in Pratibimb 2013, annual cultural festival of VJTI in December 2013, and as Event Head for the same festival in January 2013.

AWARDS AND HONORS

RODKIN SCHOLARSHIP
School of Arts and Sciences Academic Excellence Award, Rutgers University   2015-16

SCHOLARSHIP FOR HIGHER EDUCATION UNDER INNOVATION IN SCIENCE PURSUIT FOR INSPIRED RESEARCH (INSPIRE)
Department of Science and Technology, India   March 2012
- Qualified by virtue of performance within top 1% of School Board at Class XII level in the examination held during the academic session ending March 2012.

VOLUNTEER EXPERIENCE

SPARSHA CHARITABLE TRUST   June 2013- October 2014
- Volunteered by teaching underprivileged children English, Mathematics and Science.