

BOBBY RANJAN

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LinkedIn Profile: <http://www.linkedin.com/in/bobbyranjan>

Current Education

Pursuing Bachelor of Engineering (B.E.) Computer Engineering; Minors in Entrepreneurship & Life Sciences

Semester 5, Nanyang Technological University, Singapore; Graduation: August 2018; CGPA: 4.6 on 5

Personal Attributes

- ✓ Strong Work Ethic
- ✓ Highly Self-Motivated
- ✓ Extremely Optimistic and Enthusiastic
- ✓ Highly Compassionate

Software Skills

- ✓ Programming Languages: Java, JavaScript, C, Python, SQL.
- ✓ Web Development: HTML, CSS, JavaScript, jQuery, Bootstrap, PHP.
- ✓ Frameworks Used: Spring, Android, AngularJS, Node.js, MongoDB, Django.

Experience

Technology Analyst Intern

Bank of America, Merrill Lynch (Singapore)

August 2016 – Present

As a Technology Analyst Intern at Bank of America, Merrill Lynch, I am working on enhancing the existing payments processing software and building Version 2.0 of the in-house payments testing software. I am currently using Spring Framework on Java and AngularJS for this purpose.

Summer Intern

Asia Risk Transfer Solutions

May 2016 – July 2016

Asia Risk Transfer Solutions (ARTS) software and technological solutions help the insurance industry and governments create and manage risk transfer products, known as Insurance for the Masses, for developing communities in Asia.

Developed full working prototypes of two Android applications for two different user groups, adding underwriting features and alternative information flows specifically catered to the user groups, while educating myself on the insurance and risk modelling industries.

President's Research Scholar (Undergraduate Research Experience on Campus – URECA)

Nanyang Technological University

August 2015 – June 2016

Project Title: "Understanding Alzheimer's disease: Mathematical modelling of calcium signalling for regulation of neuronal cell death"

Mentor: Dr Chong Ket Hing, Ph. D.

Supervising Professor: Professor Zheng Jie, Ph. D.

In this project, I modelled the process by which neuronal cell death can be regulated by calcium signalling, so as to help biologists and clinical researchers understand the phenomena occurring in Alzheimer's Disease and propose novel methods of diagnosis and/or treatment. I used XPPAUT and MATLAB for modelling purposes. Paper publication is in progress.

Other Activities and Achievements

Vice President

Institute for Electrical and Electronic Engineers (IEEE) NTU Students' Branch

August 2016 - Present

Promoted from Assistant Vice President role in August 2016.

IEEE NTU Student Branch is a student club in Nanyang Technological University (NTU) that organises NTU's only 24-hour student-run hackathon, iNTUition, among other tech-related events and workshops over the course of the academic year. As Vice President, I am responsible for the internal functioning of the club, program direction and event management.

Singapore Country Finalist

Schneider Electric - Go Green in The City 2016

May 2016

Selected as one of the top 8 in Singapore in this global student competition for sustainable energy solutions organized by Schneider Electric.

Our challenge was to come up with an intelligent idea for efficient energy management in a city environment, to address a challenge related to growing cities and the energy dilemma and present an innovative solution for the same.

National Finalist

Deloitte - Risk Intelligence Challenge 2016

March 2016

Risk Intelligence Challenge (RIC) 2016 is an inter-university challenge that aims to nurture entrepreneurial efforts in combination with risk analysis.

Reached the Singapore finals of this competition which seeks to offer undergraduate students a glimpse into the risk industry. In addition, the RIC invites participants who are able to deliver new insights in risk management that could potentially enrich the risk industry and even change the face of the dynamic world of risk management.

Best Freshmen/Non-Tertiary Award

National University of Singapore Hack & Roll 2015

January 2015

Developed an Android application "When We Meet Again" - an unconventional reminders' application that uses the proximity between two users in order to deliver its reminders. Worked in a team of 3 and contributed mainly to the backend (SQLite) and the Bluetooth Module (Android)

Further details: <http://devpost.com/software/when-we-meet-again>

Under Secretary-General, Media Portfolio

Nanyang Technological University Model United Nations (NTUMUN) 2016

August 2015 – May 2016

Developed the website for the Nanyang Technological University Model United Nations 2016 (www.ntumun.com) using Bootstrap with HTML, CSS, jQuery and PHP.

Handled the social media outreach for the event, making it the most successful NTUMUN to date. Also edited, published and publicised the blog for the event, generating 30,000 hits over the weekend of the event.

Academic Achievements

Indian Institute of Technology – Joint Entrance Exam (Advanced)

May 2014; All India Rank: 1820

(A-levels Equivalent) Central Board of Secondary Education (CBSE) Grade 12 Board Examinations

Vikhe Patil Memorial School, Pune, India; March 2014; Percentage score: 96.8% (School Topper)

(O-levels Equivalent) Indian Certificate of Secondary Education (ICSE) Grade 10 Board Examinations

St. Mary's School, Pune, India; March 2012; Percentage score: 98.2% (All India Rank 3)

Other Interests

- ✓ Playing and Watching Football, Table Tennis and Sepak Takraw
- ✓ Science and Entrepreneurship
- ✓ Solving Puzzles (Sudoku, Crossword) and Playing Scrabble

Referees

Jie ZHENG, Ph.D.

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