Siddarth Ramesh

Software Engineering Intern at IBM Blockchain, Assistant Director of the Blockchain Education Network

sidrmsh@gmail.com

Summary

I aspire to solve global problems that will benefit humanity.

I like having conversations about Blockchain, Bitcoin, Space Exploration, Electric Cars, Artificial Intelligence, Renewable Energy, Climate Change, Augmented Reality and Open-Source Software.

I'm currently working on projects related to Blockchain, but I'm looking at exploring AI in the near future.

Experience

Assistant Director at Blockchain Education Network

September 2016 - Present (2 months)

Formerly the College Cryptocurrency Network, the Blockchain Education Network is an international 501(c)(3) nonprofit organization dedicated to forming a robust network of student groups for blockchain education, development, and innovation.

Software Engineering Intern at IBM

May 2016 - Present (6 months)

Currently working part-time.

Developing blockchain proof of concepts using the blockchain fabric from the Hyperledger Project and the IBM Blockchain service on Bluemix

Undergraduate Researcher at University of Wisconsin Internet of Things Lab

January 2016 - Present (10 months)

I had an amazing opportunity to work with Dr. Raj Veeramani, Dr. Thomas Yen, Dr. Alfonso Gutierrez and the entire IoT lab team during the spring semester of my freshman year.

I started working with Google's Project Tango to build an autonomous navigation system for one of the floors in the mechanical engineering building.

Co-Admin at Stanford Crowd Course Initiative

July 2016 - August 2016 (2 months)

I was a co-admin and helped co-ordinate multiple managerial and logistical aspects of the Bitcoin crowd course for two weeks.

Undergraduate Independent Study at UW-Madison Department of Biomedical Engineering

January 2016 - May 2016 (5 months)

During my freshman year, I worked with my freshman engineering team under Dr. Tracy Puccinelli to build a working prototype of an attachable snow plow for a client's Motorized Wheelchair. We used the project to compete in several innovation competitions on campus.

Honors and Awards

Engineering Great People Scholarship 2016-17

College of Engineering, UW-Madison

2016

Most Potential Revenue Value - UW-Madison 100 Hour Challenge

University of Wisconsin - Madison

November 2015

My team's project 'Smart Blood Pressure Monitor' was selected as the Most Potential Revenue Value for the 100 Hour Challenge 2015 at UW-Madison. For the competition, we had to create a valuable, creative, or socially beneficial product using re-purposed materials. During the experience we had the opportunity to present our technical innovation and business model through a video presentation. It was judged by a panel of three judges who all had extensive amounts of industry experience.

Dean's Honor List

UW-Madison College of Engineering

I was on the Dean's list for Fall 2015 and Spring 2016.

"At the end of each semester the names of all full-time students in good standing with 3.25 or higher semester GPA will be included on the "Dean's Honor List."

Meritorious Student of the Year

Central Board of Secondary Education (CBSE), India

2014

I was honored by the Ministry of Human Resource Development, Government of India and the Central Board of Secondary Education (CBSE) as one of the 515 meritorious students among the 2.5 million CBSE students in India.

I was also very fortunate to receive a personalized letter from the Honorable Prime Minister of India, Mr. Narendra Modi congratulating my achievements in the 2014 National Science Fair organized by CBSE.

You can read more about it here:

1. My high school's website (Scroll down towards Celebration of Excellence) - http://www.balavidyamandir.org/academics.asp
2. Ministry of Human Resource Development - http://pib.nic.in/newsite/PrintRelease.aspx?relid=108787

Projects

Autonomous Indoor Navigation

January 2016 to Present

Members:Siddarth Ramesh

I started working with Google's Project Tango during my spring semester of freshman year. I am currently working with the Development Kit and am trying learn the different Tango APIs. I am building a simple indoor navigation application for one of the floors in the MechEng building.

Publications

Remodeling the Electric Power Grid

Wisconsin Engineer Magazine May 2016

Authors: Siddarth Ramesh

I wrote an article for the Wisconsin Engineer Magazine's May 2016 issue.

Organizations

Insititute of Industrial Engineers, UW-Madison

Distinguished Member

2015 to Present

Wisconsin Engineer Magazine

Writer

January 2016 to May 2016

This was a short stint during my spring semester of freshman year. I wrote one article for the Wisconsin Engineer Magaizine on the topic of "Remodelling the Electric Power Grid".

Wisconsin Engineering Student Council

Scholarship Committee Board Member

January 2016 to May 2016

This was also a short stint during my spring semester of freshman year. I assisted the Scholarship Committee in reviewing WESC scholarship applications.

Education

University of Wisconsin-Madison

Bachelor's degree, Computer Science, 2015 - 2019

Courses

Bachelor's degree, Computer Science

University of Wisconsin-Madison

Introduction to Engineering Design	INTEREGR 160
Introduction to Entrepreneurial Management	MHR 322
Calculus I	Mathematics 221
Engineering Physics I	Physics 201
Introduction to Programming	CS 302
Calculus II	Mathematics 221
Engineering Physics II	Physics 202
Introduction to Microeconomics	Econ 101

Skills & Expertise

Leadership
Blockchain
Public Speaking
Go
Teamwork
Entrepreneurship
Engineering Design
Node.js
JavaScript
Java
HTML
Microsoft Office
C++
Product Innovation
Strategic Planning
Process Improvement
Project Management
CSS
Management

Volunteer Experience

Volunteer for Project Enable at Becoming I Foundation

June 2013 - May 2014

Becoming I Foundation is an internationally recognized youth led organization that mobilizes young people into engaging with community development issues. Through projects in the fields of women empowerment, trafficking, primary education, alternate sources of employment, leadership training, life skills development and youth empowerment, they have had a direct and indirect impact on more than 5000 young people all across the globe.

Project Enable seeks to challenge students to develop a sustainable model for making their schools more accessible and equal opportunity driven. It is a result of the group's firm belief that education must be inclusive and that diversity enables a richer and more holistic learning experience. Through a collection of workshops, mentorship sessions and community visits on issues of social justice, entrepreneurship and project management, I understood the challenges to enabling access to education and also worked towards finding a solution.

Interests

Technology Startups, International Affairs, Renewable Energy & Sustainability, Travelling, Investing, Mixed Martial Arts, Table Tennis, Electronic Music Production

Languages

English	(Native or bilingual proficiency)
Tamil	(Native or bilingual proficiency)
Hindi	(Limited working proficiency)

Siddarth Ramesh

Software Engineering Intern at IBM Blockchain, Assistant Director of the Blockchain Education Network

sidrmsh@gmail.com

Contact Siddarth on LinkedIn