

Siva Loganathan

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EDUCATION

Duke University

Electrical & Computer Engineering and Computer Science

Durham, NC

May, 2017

- **GPA:** 3.631/4.00
- **Major GPA:** 3.80/4.00
- **SAT:** 800 Mathematics Level 2 and 770/800 in Physics
- **Relevant Coursework:** Data Structure & Algorithms, Software Engineering, Computer Architecture
- **Honors:** Spring 2014 Deans List

HELP Academy

Edexcel International Advanced Levels

Kuala Lumpur, Malaysia

July, 2013

- **A*A*AA** with Distinction in Physics and Mathematics

PROJECTS

Vivify

Cofounder

Durham, NC

October, 2014 - Present

- Collaborated with Prof. Ariely and a few Duke students to develop an application which generates a full spectrum of socially engaging conversations
- Launched the front-end of the landing page using HTML, CSS and the Bootstrap framework which has over 500 Duke students registered as beta users for the application
- Designed a platform to keep track of usage to dynamically ensure that users are able to express the intensity of their social preferences using the Parse API which keeps track of the number of users conversing at real time

High Altitude Autonomous Glider

System Architecture Co-Leader

Durham, NC

September, 2014 - November, 2014

- Pioneered and tested a Nichrome release mechanism which is able to disengage the glider from the balloon at an altitude of 60,000 feet and up to a temperature of -60°F
- Devised a short-range recovery circuit for the glider that consists of LED and beepers which interfaces with the glider's main power system to save weight on additional battery packs

PROFESSIONAL EXPERIENCE

Mathematics Help Room

Teaching Assistant

Durham, NC

January, 2014 - Present

- Worked with Professor Rann Bar-On to coordinate over 40 hours of weekly sessions where over 60 students who are in Calculus 1 and Calculus 2 benefitted
- Covered over 12 chapters in laboratory calculus and on average improved the grade of the students that attended the help room sessions

LEADERSHIP & EXPERIENCE

Duke Housing, Dining and Residence Life

Resident Assistant

Durham, NC

January, 2015 - Present

- Created a positive living environment designed to promote interaction of social networks between a community of 26 residents, often resolving conflict
- Developed student centered hall programs where over 90% of the residents attended to enhance their social, education and understanding of the community.

Duke Robotics

Executive Committee Member (Logistics)

Durham, NC

January, 2014 - May, 2014

- Introduced an online logistics system which allows members to request for parts and tools necessary for their build using Google Spreadsheet and the Google Forms

Sathya Sai Baba Education in Human Values

Graduate

Kuala Lumpur, Malaysia

January, 2003 - August, 2013

- Awarded 2nd place in a state level public speaking competition which has over 30 other competitors
- Conducted a treasure hunt activity for 20 teenagers in a historical district to learn teamwork and instill a greater patriotic spirit for their country.

SKILLS, CERTIFICATIONS & INTERESTS

Skills: Proficient in Latex and Microsoft Office

Proficient Computer Languages: MATLAB and Java

Interests: Travelling and Motorsports

Languages: Fluent in English and Malay