SivaLoganathan

contact

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programming

Java
HTML, CSS
Javascript
Angular.js
MATLAB
LaTeX

languages

English Fluent
Malay Fluent

awards

Spring 2014 Deans List

education

Duke University   Durham, NC
B.Sc. in Electrical & Computer Engineering and Computer Science   *May, 2017*
GPA: 3.631/4.000 **Major GPA:** 3.800/4.000
Relevant Coursework: Data Structure & Algorithms, Software Design, Computer Architecture

HELP Academy   Kuala Lumpur, Malaysia
Edexcel International Advanced Levels   *July, 2013*
A*A*AA with Distinction in Physics and Mathematics

projects

Vivify   Durham, NC
Cofounder & Web Developer   *October, 2014 - Present*
- Collaborated with Prof. Dan Ariely and Duke students to develop an application which generates a full spectrum of socially engaging conversations
- Engineered a web based social platform for conversations online using Firebase and Polymer Framework to allow scalability as the user base grows

High Altitude Autonomous Glider   Durham, NC
System Architecture Co-Leader   *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

Lava Protocols (Labs Division)   Kuala Lumpur, Malaysia
Intern & Developer   *May, 2015 – July, 2015*
- Enhanced the feature of the Felda Global Ventures mobile application using the Phonegap Framework by adding push notifications and calendar functions which improved the app rating by more than 10%
- Established a culture of using a version control system (Git) to collaborate and share code between team members instead of emailing the code to each other, thus causing efficiency to increase

Duke Computer Science Department   Durham, NC
Teaching Assistant for Software Design   *August, 2015 - Present*
- Mentor and guide 5 students in terms of having good software design which promotes modularity and flexibility so that multiple teams can collaborate together to add code
- Evaluated the performance of these 5 students based on their improvement on the code that they wrote throughout the semester

Duke Mathematics Department   Durham, NC
Teaching Assistant   *January, 2014 - Present*
- Collaborated with Prof. Rann Bar-On to coordinate over 40 hours of weekly sessions where over 60 students in Calculus 1 and Calculus 2 benefited
- Covered over 12 chapters in laboratory calculus an on average improved the grade and understanding of the students that attended the help room sessions

leadership & experience

Duke Housing, Dining and Residence Life   Durham, NC
Resident Assistant   *January, 2015 - Present*
- Created a positive living environment designed to promote interaction of social networks between a community of 29 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.
- Awarded Most Valuable Player for the quad at the RA Training Year 2015-2016 by votes from other RAs