SURANJANA SENGUPTA

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EDUCATION

National University of Singapore (NUS)
- Computer Engineering (with focus on Software Engineering)
- Expected date of graduation: June 2016

WORK EXPERIENCE

Advanced Micro Devices (AMD), Singapore
Software Engineering Intern, January – June 2015

- ❖ Worked in a team comprising six members, to help maintain and enhance System Level Test (SLT) software equipment used for validating tests and quantifying results for APUs.
- ❖ Programmed in an *Agile environment* while consistently exploring *Scrum Methodologies*.
- ❖ Analyzed user requirements and issue tracking with *JIRA*, validated quality attributes using *SonarQube* and software integration using *Subversion*.
- ❖ Collaborated with AMD Product Development Group to help solve defects, assemble new software architectures, designs and patterns for testing equipment.

Tinkerbox Studios, Singapore
Rails Developer Intern, June-August 2014

- ❖ Developed, maintained and handled integrated system testing on an existing web application in Ruby on Rails framework.
- ❖ Worked in a team comprising of three members, to analyze user requirements and constraints to successfully deploy an IOS application using Rubymotion tool chain.
- ❖ Studied Version Control in Github, validation and testing in CircleCI and code quality in Codeclimate.

Design Centric Programme, National University of Singapore
Autonomous Robotics Team, August 2013-ongoing

- ❖ Studied problem solving using design principles to understand product life cycles and develop a prototype to address a given case (designing autonomous guiding vehicle to combat navigation difficulties in large-scale supermarkets).
- ❖ Currently programming in Python (Ubuntu Environment) on a scaled down prototype which incorporates localization and mapping features in the Robot using Raspberry Pi.

TECHNICAL SKILLS

Programming Languages: *Advanced*: C, C++, JAVA, Excel VBA, *Intermediate*: Ruby, Arduino microcontroller programming and Real Time Operating Systems (RTOS), *Beginner*: Objective-C, Python
Web Design: *Intermediate*: HTML5, CSS, Javascript, Bootstrap, Coffeescript, AJAX, PHP, SQL
Software Development: *Advanced*: Object Oriented Programming, *Intermediate*: Software Development Life Cycles, Agile and Scrum Methodologies, Xtreme Programming, *Beginner*: Google Testing Framework and Test Driven Development (TDD)

ORGANIZATIONAL SKILLS AND LEADERSHIP EXPERIENCE

- ❖ *National University of Singapore*
  - ➢ NUS Literary Society – *Vice-Publications Executive (2012-2013)*
  - ➢ NUS Indian Dance – *Ticketing Head and Treasurer (2014-2015)*
    - ▪ Worked in a team of 13 members to successfully organize and stage Annual Concert *Krishna Katha* (at University Cultural Centre) and Exxon Mobil Campus Concert *Shaamiyana.*