AADITYA UPPAL

2396 Barton Skyway, #385, Austin, TX 78746, Phone: 979.985.0701
http://github.com/aadiuppal || Email: aadiuppal@tamu.edu || http://people.tamu.edu/~aadiuppal

OBJECTIVE

Seeking a full time employment opportunity beginning September 2016

EDUCATION

Texas A&M University, College Station, Texas August 2016
Master of Science, in Computer Engineering GPA *3.85/4*

National Institute of Technology (NIT), Hamirpur May 2013
Bachelor of Technology, in Electronics & Communication GPA *3.34/4*

WORK EXPERIENCE

Samsung R&D Institute India, Delhi
Software Engineer 2 July 2013 – July 2014

- Worked on Tizen (Linux based) operating system implementation on smart television middleware. The work primarily involved implementation of media player that was built on gstreamer framework.

INTERNSHIPS

Intel Corporation, Austin TX January 2016 – Present
Master's Level Graduate Intern

- Currently working as an intern for CPU floor planning and routing team with focus on developing software tools for the team

Samsung Austin R&D Center, Austin TX May 2015 – August 2015
System Architecture Intern

- Worked with Debug and Validation team to develop stressful android tests and random assembly instruction tests using C++ for Samsung's state of the art processor and interconnects

Defence Research & Development Organization (DRDO), Bangalore
Student Intern (Electronics and Radar Development Establishment (LRDE)) May 2012 – July 2012

- Completed design and development of Radar Controller Software on Power PC based hardware using Linux Kernel
- Designed Azimuth over Elevation System Stabilization of Radar on Aircraft using Fuzzy Logic

ACADEMIC PROJECTS

Survey Data Management September 2015 – December 2015

- Involves working on legacy code using agile methodology to implement software as a service that displays a graphical view of user data aggregated through surveys and provides different hierarchy of users using Ruby on rails

A heuristic based Blocks Word game solver October 2015

- Used a star search that optimized the search for goal state in game using three different heuristics

Interrupt driven IR Remote Device Driver October 2015

- Programmed a Linux device driver for an IR remote which uses interrupt

Implementation and performance comparison of informed and uniformed search algorithms September 2015

- Implemented heuristic based search algorithms like a-star , greedy best first and compared their performance with uninformed search like bidirectional, depth and breadth first search

Twitter Trending News application for Android October 2014 – December 2014

- Built an android application that provides twitter based news feed according to latest trends on twitter

Optimizing Cache performance using improved Dirty Block Index system August 2014 – December 2014

- Evaluate the performance of cache by removing the dirty bit from tag store and placing it in a separate dirty bit index

Character recognition using neural networks January 2013 – May 2013

- Developed a software that converts printed texts into digital text using Multi-Layer Perceptron (MLP)

COURSES

Software Engineering, Artificial Intelligence, Data Mining, Android App Development, Analysis of Algorithms

SKILLS

Languages / Platforms / Tools

- C, C++, Python, Android sdk, Java, Verilog, MIPS Assembly Language, Linux, Mac, Windows, Matlab, PSpice, Xilinx ISE, Git, Cadence Virtuoso, Ruby on Rails, Agile Methodology

Work Authorization: Eligible to work in US with OPT