Version 3.0

Darshan B. Thaker

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EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN
BS in Computer Science
Turing Scholar
Aug 2014 - May 2018
Cumulative GPA: 3.83 / 4.0

COURSEWORK

COMPLETED

CS 314 - Data Structures
CS 311H - Discrete Math for CS: Honors
CS 429 - Computer Organization and Architecture
CS 439H - Operating Systems: Honors
CS 377P - Programming for Performance
CS 378 - Embedded Systems
M 340L - Matrices and Matrix Calculations
M 362K - Probability
M 427L - Vector Calculus
M 378K - Intro to Mathematical Statistics
Stanford EPGY - Artificial Intelligence

IN PROGRESS

SDS 325H - Honors Statistics
CS 378H - Distributed Computing: Honors
CS 331H - Algorithms and Complexity: Honors
CS 109 - Competitive Programming

SKILLS

Proficient:
Java • C • Python • Bash
Python Pandas/Sci-kit-learn • R • LaTeX

Familiar:
C++ • Assembly

EXPERIENCE

SYMANTEC - CENTER FOR ADVANCED MACHINE LEARNING

Machine Learning Intern
May 2015 - Aug 2015 | Mountain View, CA

- Collaborated with a mentor to develop a robust machine learning classifier to identify targeted malicious e-mail attacks
- Surveyed various complex classifiers and explored feature engineering steps to improve performance
- Project selected as one of top 12 company-wide projects from a group of $\approx$ 200 interns

OPEN NETWORKING LAB

Software Intern
Jul 2014 - Aug 2014 | Menlo Park, CA

- Worked with a team of 3 engineers on Mininet, a Python-based virtual network emulator
- Created a fat tree network topology that is compatible with Mininet
- Wrote scripts to post the results of a nightly Mininet build to a local Jenkins server

OPEN NETWORKING LAB

Software Intern
Jun 2013 - Aug 2013 | Menlo Park, CA

- Working with an engineer to develop test cases for the Flowvisor tool, a virtual network hypervisor
- Fixed a challenging bug in the Java code of Flowvisor, earning an honorable mention in the OpenFlow-discuss public mailing list

MENTEON LEARNING INC.

Software Intern
Jun 2011 - Aug 2012 | Menlo Park, CA

- Worked with the CEO to develop Java modules on the Android platform for Learning Apps (ex. Flash-cards, Memory tools)

PROJECT EXAMPLES

PARALLEL ADAPTIVE BOOSTING | CS377P Final Project

- A parallel implementation in the Multiboost Library for the Adaptive Boosting (AdaBoost.MH) algorithm

AUTOMATIC MUSIC GENERATION | Leisure

- Implemented a Markov chain trained on sequence of notes to generate random music notes

GMAIL LDA | Leisure

- Clustered e-mails into topics using Latent Dirichlet Allocation (LDA) in the gensim library

UTCS LABS | Leisure

- Shell script to automatically SSH into a CS lab machine that has 0 users