DARSHAN B. THAKER

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WORK EXPERIENCE

Machine Learning Intern **Symantec - Center for Advanced Machine Learning** **May 2015 – Aug 2015**

- 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 intern projects from a group of ~200 interns

Software Intern **Open Networking Lab** **Jul 2014 – Aug 2014**

- 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

Software Intern **Open Networking Lab** **Jun 2013 – Aug 2013**

- Worked with an ONLAB 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

Software Intern **Menteon Learning Inc.** **Jun 2012 – Aug 2012**

- Wrote text used by a text-to-speech convertor for YouTube videos to teach topics in Biology and Chemistry

Software Intern **Menteon Learning Inc.** **Jun 2011 – Aug 2011**

- Worked with the CEO to develop Java modules in Android for Learning Apps (e.g. Flash-Cards, Memory Tools)
- Received the #1 intern prize and cash award from a group of 5 interns for "consistent great performance, great teamwork, always available and willing to help, and learning complex tasks"

EDUCATION

Austin, TX **The University of Texas at Austin** **Aug 2014 – May 2018**

- Bachelor of Science in Computer Science, Turing Scholars. Cumulative GPA: 3.93

RELEVANT COURSEWORK

- **UT Austin**: *CS314* (Data Structures), *CS311H* (Discrete Math for CS: Honors), *CS429* (Computer Organization and Architecture), *M340L* (Matrices and Matrix Calculations), *M362K* (Probability), *CS439H* (Operating Systems: Honors), *CS377P* (Programming for Performance), *CS378* (Embedded Systems), *M378K* (Intro to Mathematical Statistics)
- **Stanford EPGY**: Completed course on Artificial Intelligence. Delivered a presentation on Neural Networks to the class

PROGRAMMING PROJECT EXAMPLES

- **HackTX:** Dynamic LeapMotion thesaurus using hand gestures
- **Trees:** Binary Search Tree, Remove Duplicate from Tree, Reverse Tree, Quick Sort Tree, Balance Tree
- **Leisure:** Automatic SSH (Secure Shell) into open computer labs, Primitive music note generation

LANGUAGES, TECHNOLOGIES, AND TOOLS

- Java, C, Python, Ubuntu Linux, Python Pandas and Sci-kit-learn, Machine Learning