

Sufyan Dawoodjee

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OBJECTIVE

An internship that will utilize my knowledge of Computer Science to solve real-world problems

EDUCATION

University of South Florida GPA 4.0
Bachelors of Science in Computer Engineering

Tampa, FL
Expected December 2014

SKILLS

Proficient in C, C++, C#, Python, MATLAB, Java
Familiar with HTML/CSS/JavaScript
Windows, Mac OS X, Linux
Verilog, VHDL, SPICE, Cadence Virtuoso

EXPERIENCE

Application Developer Intern, J.P. Morgan Chase

June 2014 – August 2014

- Enhanced the Global Liquidity Engine JSF web frontend to present corporate account information
- Coordinated design review for a major Global Liquidity Engine release

Student Assistant, Robot Perception and Action Lab

May 2013 – Present

- Ported vessel enhancement and feature detection algorithms from MATLAB to C++
- Segmented vessels and organs from CT Scans and generated 3D models

PROJECTS

Senior Project for CAE Inc.

- Developed a real-time, networked, debugging utility for CAE flight simulators using C#
- Reverse engineered existing client-server system by intercepting network packets to determine protocol details and message formats
- Designed new client that allows capturing and modifying variables dynamically on running simulations

FPGA Audio Recorder/Player

- Developed a system that records and plays audio on a Xilinx Virtex-5 FPGA board using Verilog
- Designed and implemented state machines for controlling audio codec, LCD display, IP core RAM, and overall system

Full-Custom Thermometer ASIC

- Designed, from scratch, the schematic and layout of a CMOS circuit for displaying ambient temperature in degrees Celsius or Fahrenheit in BCD
- Devised and executed SPICE simulations to verify both schematic and layout integrity

HONORS & ACTIVITIES

Inventors' Club at USF

President

October 2012 – May 2014

- Coordinated club activities and secured funding for club events and projects

IEEE USF

Member

September 2012 – Present

Program-A-Bull Competition

2nd place

October 2014

- Achieved 2nd place among 16 teams in a programming contest hosted by USF's ACM branch