Ravi Jayanthi

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EDUCATION

UCLA
Computer Science and Engineering
Class of 2018
Henry Samueli School of Engineering

SOLAR ENERGY INT'L
Grad. July 2012 | Los Angeles, CA
PhotoVoltaics 101
Big Data Management for Industrial Use

SKILLS

PROGRAMMING
Strong:
C++ • C#/.NET • C • LaTeX
Familiar:
Swift • HTML/CSS • MongoDB

TECHNOLOGIES
Azure Cloud Services • TFS • Linux • Command Line
Arduino • Xcode • Github • Vim • Bootstrap • Visual Studio

EXPERIENCE

SCHNEIDER-ELECTRIC R&D | Software Engineering Intern
July 2015 - September 2015 | Lake Forest, CA

- Extended a time-series cloud database's ability to showcase various different data patterns by developing and deploying a customizable Azure Cloud Service Worker Role that programmatically queries online for stock data and records them in the database
- Implemented new feature in a time-series cloud database that would allow the database to observe and record its own internal communications, server calls, and general functionality to self-diagnose in case of crashes or errors

UCLA IEEE | MicroMouse Team Engineer
May 2013 – August 2013 | Los Angeles, CA

- Implemented an algorithm for autonomous maze-navigating in C on an Arduino.
- Designed chassis using CAD drafting, soldered circuitboard for use with micro-processor.

PROJECTS

BOULDER BLAST | C++
Implemented a puzzle/shooter arcade-style game based on a provided OpenGL framework. Game design, including inheritance flow between classes and implementation of all classes, was done from the ground up. Features fully functioning leveling, AI enemies, and in-game power-ups. See my GitHub for the source code!

WEB STEGANOGRAPHER | C++
Implemented an LZW compression algorithm based on a provided web scraper that encodes and decodes secret messages in HTML source files. Wrote an open hash table to handle all requests to store, encode, and decode characters. See my GitHub for the source code!

RAVIKJAY.GITHUB.IO | HTML/CSS/BootStrap
Launched a personal website/portfolio using HTML5, CSS3, and the robust framework of Boostrap. Also implemented LESS wrapper for some of the design elements. See my GitHub for the source code!

COURSEWORK

UNDERGRADUATE
Basic Computer Architecture
Network Fundamentals
Data Structures
Algorithms
Class Inheritance & Polymorphism
Recursion

LINKS

Github:// **github.com/ravikjay**
LinkedIn:// **linkedin.com/in/ravikjay**
Personal:// **ravikjay.github.io**