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:
Javascript • Python • HTML/CSS • Bash

TECHNOLOGIES
Azure • AWS EC2 • YQL • Google Analytics
Arduino • Bootstrap • Linux • Vim
TFS • Xcode • Visual Studio

EXPERIENCE

SCHNEIDER-ELECTRIC | 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

SCALABLE ANALYTICS INSTITUTE | UNDERGRADUATE RESEARCHER & DEVELOPER
September 2015 – Current | UCLA
- Developing for the AZtec Biomedical Software Index project under Professor Wei Wang as part of the BD2K (Big Data to Knowledge) initiative funded by the National Institute of Health.
- Developing/deploying diagnostic features for the website, writing scripts to scrape, parse, and record external resources for website extension, extended database functionality and usage.

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!

WATCHFACE | C/PEBBLE.JS
Designed in Pebble.js and developed in C, this is a watch-face for my Pebble smart-watch. Using bitmap layers, with soon-to-come sports API informations. See my wrist for the app and 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**