

Ravi Jayanthi

ravikjay.github.io
ravikjay@gmail.com | 661.803.5945

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#/F.NET • C • \LaTeX

Familiar:

Swift • HTML/CSS • NodeJS

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 Bootstrap. 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