

RITWIK DUTTA

Address: 928 Bluebonnet Dr., Sunnyvale, CA 94086
Cell: 408-406-3722 Email: ritzymail@gmail.com
Site: ritwikd.com Blog: blog.ritwikd.com

OBJECTIVE

To use and develop my computer science skills in an environment that challenges me and facilitates further learning.

EDUCATION

Archbishop Mitty High School	2012 - 2016
Stratford Middle School	2009 - 2012
Millikin Elementary School	2003 - 2009

SKILLS

Programming	<i>Python, C/C++, Java, Linux CLI</i>
5 years of experience with data structures, algorithms, and simple tools (e.g., sorting, trees, linked lists)	

Web Development	<i>HTML, CSS, JavaScript, PyMongo</i>
3 years of experience with creating websites either from scratch or using various online technologies and frameworks (e.g., HTML5, CSS3, jQuery, Bootstrap, WordPress, MongoDB, PyMongo)	

Graphics	<i>Adobe PhotoShop, Inkscape</i>
3 years of experience in creating images or logos for various projects	

Video/Audio Editing	<i>Adobe After Effects, Audacity</i>
3 years of experience in creating short films, gaming videos , and background audio	

IDEs/VC	<i>Eclipse, IntelliJ, Git</i>
4 years of experience in writing code, managing files, and general project for various programming applications and projects	

Editors

Vim, SublimeText, Geany

3 years of experience in writing code for various programming applications and projects

TEAMS

Computer Science Club

10th Grade

Worked with peers on solutions to previous Stanford ProCo problems and taught others about topics in computer science

Robotics

9th Grade

Worked with peers on the 2013 FRC competition Ultimate Ascent to design and program an autonomous and teleoperated robot and represented school at Sacramento Valley Regional competition

Science

8th Grade

Represented school in the National US Department of Energy Science Bowl as physics and math question specialist

PUBLICATIONS

Ritwik Dutta and Marilyn Wolf, “An Extensible Software Infrastructure for Computer Aided Custom Monitoring of Patients in Smart Homes,” *International Conference on Systems and Software Engineering (ICSSE)*, Miami, USA, March 9-10, 2015. | [Paper](#) | [Presentation](#)

PROJECTS

Max Keyboard Configurator

Personal

Summer 2014

Worked with Max Keyboards to create a web-based utility to create customized keyboard designs with a variety of different layouts ([demo](#), [Max Keyboard](#))

Georgia Tech Health Dashboard

Georgia Tech

Summer 2014

Worked at Georgia Tech to create a free and open-source end-to-end software system for monitoring long term care patients in smart homes ([report here](#)).

Robotics Camp Mentor

School

Summer 2014

Helped younger children (from 4th to 8th grade) with creating simple robots and teaching them simple engineering concepts

