

# SURYAKANTA MANGARAJ

## SYSTEM ARCHITECT

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- San Francisco, CA

CEO and Software Engineer with knowledge of applied information theory, including optimizing lossless compression schema of both the length-limited and adaptive variants.

## EXPERIENCE

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### CEO/President, Pied Piper

Dec 2013 – Dec 2014

Pied Piper is a multi-platform technology based on a proprietary universal compression algorithm that has consistently fielded high Weisman Scores™ that are not merely competitive, but approach the theoretical limit of lossless compression.

- Build an algorithm for artist to detect if their music was violating copyright infringement laws
- Successfully won Techcrunch Disrupt
- Optimized an algorithm that holds the current world record for Weisman Scores

### Teacher, CoderDojo

July 2013 – Dec 2013

Global movement of free coding clubs for young people.

- Awarded ‘Teacher of the Month’

## PROJECTS

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### Miss Direction

Aug 2016

A mapping engine that misguides you:

- Won award at AIHacks 2016
- Built by all women team of newbie programmers
- Using modern technologies such as GoogleMaps, Chrome Extension and Javascript

## EDUCATION

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### University of Oklahoma, BA Information Technology

2011 – 2014

- GPA 4.0
- DB1101 - Basic SQL
- CS2011 - Java Introduction

## SKILLS

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- Web development: HTML, CSS, JavaScript
- Compression: Mpeg, MP4, GIF