

# Colin MacArthur

Programmer

## Contact

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### Website

<http://richardhendricks.com>

## About

Richard hails from Tulsa. He has earned degrees from the University of Oklahoma and Stanford. (Go Sooners and Cardinals!) Before starting Pied Piper, he worked for Hooli as a part time software developer. While his work focuses on applied information theory, mostly optimizing lossless compression schema of both the length-limited and adaptive variants, his non-work interests range widely, everything from quantum computing to chaos theory. He could tell you about it, but THAT would NOT be a “length-limited” conversation!

## Profiles

### Twitter

neutralthoughts

### SoundCloud

[dandymusicnl](#)

## Work

### Pied Piper

2013-12-01 – 2014-12-01

#### CEO/President

<http://piedpiper.com>

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.

### Highlights

- Build an algorithm for artist to detect if their music was violating copy right infringement laws

- Successfully won Techcrunch Disrupt
- Optimized an algorithm that holds the current world record for Weisman Scores

## Volunteer

### CoderDojo

2012-01-01 – 2013-01-01

Teacher

<http://coderdojo.com/>

Global movement of free coding clubs for young people.


#### Highlights

- Awarded 'Teacher of the Month'

## Education

### University of Oklahoma

2011-06-01 – 2014-01-01

 Information Technology  
Bachelor

#### Courses

- DB1101 - Basic SQL
- CS2011 - Java Introduction

## Awards

### Digital Compression Pioneer Award

by Techcrunch

Awarded 2014-11-01

There is no spoon.

## Publications

### Video compression for 3d media

2014-10-01

Published by Hooli

[View publication](#)

Innovative middle-out compression algorithm that changes the way we store data.

## Skills

### Web Development

- HTML
- CSS
- Javascript

### Compression

- Mpeg
- MP4
- GIF

## Languages

### English

Native speaker

## Interests

### Wildlife

- Ferrets
- Unicorns

## References

It is my pleasure to recommend Richard, his performance working as a consultant for Main St. Company proved that he will be a valuable addition to any company.

— **Erlich Bachman**