

Richard hails from Tulsa. He has earned degrees from the University of Oklahoma and Stanford. (Go Sooners and Cardinal!) 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! Richard is the Founder of Pied Piper, and after a brief hiatus, is once again CEO.

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## Core Technical Competencies

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### Web Development

HTML  
CSS  
Javascript

### Compression

Mpeg  
MP4  
GIF

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## Professional Work Experience

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### CEO/President – [Pied Piper](#)

2013 – 2015 1 year

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

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## Education

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### University of Oklahoma

2011 – 2014 2.5 years

Information Technology  
Bachelor

- DB1101 - Basic SQL
- CS2011 - Java Introduction

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## Awards

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### Digital Compression Pioneer Award

2014

Techcrunch

There is no spoon.

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## Publications

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### Video compression for 3d media

2014

[en.wikipedia.org/wiki/Silicon\\_Valley\\_\(TV\\_series\)](http://en.wikipedia.org/wiki/Silicon_Valley_(TV_series))

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