# Ahmed

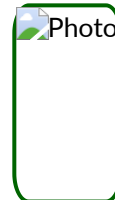### Programmer



## 🪪 Personal Info

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!

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## 🏢 Work Experience

**CEO/President**                                    December 2013 – December 2014

**Pied Piper**                                                          Palo Alto, CA

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

**Information Technology**                              June 2011 – January 2014

**University of Oklahoma**                                              Bachelor

Grade: 4.0

Notable Courses:

- ▶ DB1101 - Basic SQL
- ▶ CS2011 - Java Introduction

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## ⊗ Volunteer Work

**Global movement of free coding clubs for young people.**     January 1, 2012 – January 1, 2013

**CoderDojo**                                                          Teacher

- ▶ Awarded 'Teacher of the Month'

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## 🗂 Projects

**Team lead, Designer**

**Smoogle**

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

GoogleMaps  Chrome Extension  Javascript

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## 📄 Publications

**Video compression for 3d media**

Hooli · Oct 2014

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

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## ✂ Skills

**Web Development**

HTML  CSS  Javascript

**Compression**

Mpeg  MP4  GIF

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## 🔤 Languages

**English**

Native speaker

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## 🏆 Awards

**Digital Compression Pioneer Award**

Techcrunch · Nov 2014

There is no spoon.

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## ♡ Interests

**Wildlife**

Ferrets  Unicorns

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## 👍 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