

# Corey A. Smith

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## EDUCATION

### University of North Texas

Denton, Tx

- BS Computer Engineering
- Minor in Mathematics

2017

2017

### Advanced Technology Complex

Denton, Tx

- OSHA Certification
- Advanced Animation Coursework

2009

## CERTIFICATIONS

### Computer Security Certification (IACE)

Dec 2016

### OSHA 10 hr certification

Oct 2009

## ENGINEERING PROJECT EXPERIENCE

**The Bat:** University sponsored ultrasonic navigation system designed to guide the visually impaired indoors.

**HabitBreaker:** Utilizes a webcam and deep learning to help you break your bad habits.

**Handicap Tracker:** Tracks your golf handicap in a simplistic way, available on the app store.

**Particle Lamp:** Amazon voice controlled fully 3D printed led Lamp along with iOS and watchOS app.

**Electric Longboard:** High speed longboard tuned to maximize acceleration.

**Multirotors:** Two first person view multirotors designed for high speed cinematography.

\*For additional projects and write ups please visit my website [coreyalexandersmith.com](http://coreyalexandersmith.com)

## COMPUTER/TECHNICAL SKILLS

- Python
- Swift
- Docker
- AWS/ Google Cloud
- General ML
- Relational database design
- Git
- iOS Development
- SQL

## INTERESTS

- Data exploration
- Machine learning
- Embedded system design
- 3D design and 3D printers
- iOS development
- Golf, DFW Lao Golf Association
- General electronics and weekend projects

## WORK HISTORY

### PowerIt Perfect | Plano, Texas | April 2018 - December 2019

#### Software Engineer

At Power It Perfect I manage and develop an end to end solution to monitor, control, and collect data from oil well sites. We are actively developing an induction motor controller along with a fully integrated system for oil wells that collects data, controls the pumpjack, and automates tasks such as oil collection and repairs.

Accomplishments:

- Built software to manipulate a 10 phase motor to show constant rpm, constant input power but varying load.
- Automated software build tasks and created a debugging platform for Cypress microcontrollers.
- Developed the architecture that will control thousands of pumpjack across the country.