

# Andrew Andrade

[andrew@andrewandrade.ca](mailto:andrew@andrewandrade.ca)

## professional experience

---

### PetroPredict

Technical Co-founder  
May 2014 - Present

Led a team of 2 data scientists, a dev & designer to deploy a web app. which predicts risk of failure in oil pipelines aids in scheduling maintenance.

### Facebook

Manufacturing Intern  
Jan 2014 - Apr. 2014

Studied server failure data using Hive (SQL) & led a hard drive testing tool deployment in in China saving Facebook \$1.4 million / factory

### Peraso

Supply Chain Intern  
May. 2013 - Aug. 2013

Coordinated hardware designers, software engineers & vendors to launch a first to market antenna product (Peraso raised \$8MM after)

### PetroCanada

Production Intern  
Sept. 2012 - Dec. 2012

Analyzed oil and gas production data and presented results to management. Deployed a team wide multi-disciplinary visualization tool

### Intex

Mechanical Intern  
Jan 2012 - Apr. 2012

Prototyped data-driven manufacturing designs & evaluated optimization methods for quality and yield improvement of a natural gas filter product

### Chrysler

Summer Student  
Jun 2011 - Aug. 2011

Applied lean manufacturing principles and conducted worker time studies on the production line coordinating between workers & management

### Terry Fox Pool

Lifeguard & Deck Supervisor  
Sept 2008 - Jun. 2011

Lifeguard and leadership instructor, eventually promoted to a part time deck supervisor with responsibility of managing pool & 2-4 lifeguards

## other experience

---

### MIT & SUTD

Project Manager of  
Autobike Research

Led a team of 2 developers and 2 researchers to build a self driving bicycle platform which solves mobility on demand (think self-driving Uber/taxi)

### Leadership

and extra-curriculars

Various positions at product vision, stats, computer science, petroleum energy and fencing clubs & motivational speaker at high schools

### Awards

and Hackathon Wins

Canadian Intern of the Year (2014), 1st place at Facebook's OpenCompute.org hackathon, 2nd Place Dropbox's AI competition, 3rd place at Society of Petroleum Engineer's graduate research contest. See all awards at:  
**[mrandrewandrade.com/cv#awards](http://mrandrewandrade.com/cv#awards)**

## Introduction

---

Hey there, I am Andrew! I evaluate open ended problems, dig into data for decision making, and deploy solutions.

I have consistently led projects and successful product launches in various industries!

## Skills

---

**People:** Public Speaking, Project leadership, Scrum

**Development:** Python, C, C++, MATLAB, Bash

**Prototyping:** HTML5, CSS

**Data Tools:** Scikit-learn, R, SQL, Hive, Spark, Tableau

**Business:** Project Econ, Market Evaluation

## Education

---

**University of Waterloo**  
Mechatronics Engineering  
Management Minor

2011 - 2016 (Expected)

## Web

---

[mrandrewandrade.com/cv](http://mrandrewandrade.com/cv)