

# HOGAN McDONALD

Web Developer

## EDUCATION

### PRIME DIGITAL ACADEMY

📅 Apr 2017 - Aug 2017

Full Stack Software Engineering Certification

### METROPOLITAN STATE UNIVERSITY

📅 Sep 2015 - Aug 2016

Generals - Spiritual Engagement and Community Leadership

### NORTH CENTRAL UNIVERSITY

📅 Sep 2013 - Sep 2015

Generals - Pastoral Studies

## CERTIFICATIONS & ACHIEVEMENTS

### NEURAL NETWORKS & DEEP LEARNING

📖 Coursera | Deeplearning.ai

I learned the algorithms and concepts at the core of deep learning. These algorithms can be used in image classification problems.

### 2017 HACK FOR CHANGE - 2ND PLACE

★ Twin Cities Startup Week

My team built an app in 7 hours that used CDC mortality data and a custom Machine Learning model to predict a user's date of death.

## CONTACT ME

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## SKILLS

- |              |              |          |
|--------------|--------------|----------|
| • JavaScript | • TensorFlow | • AWS    |
| • Python     | • Numpy      | - EC2    |
| • Node.js    | • Flask      | - S3     |
| • AngularJS  | • Machine    | - RDS    |
| • JQuery     | Learning     | - Lambda |

## EXPERIENCE

### FULL STACK ENGINEERING STUDENT

Prime Digital Academy 📅 Apr 2017 - Aug 2017

I chose to attend Prime because I know that I learn best in an immersive environment. Prime offered the intense experience I knew represented the best entry point into the industry for me.

### STORE LEAD

[Words] Bookstore 📅 May 2016 - Apr 2017

- Trained employees on visual & operational standards for the store.
- Designed and printed t shirts for sale in the store.

### COMMUNITY ENGAGEMENT COORDINATOR

Bloom Church 📅 May 2015 - Mar 2016

- Maintained online content using Squarespace, Google Analytics, AdWords, MailChimp, Instagram, and Facebook.
- Prepared and delivered sermons regularly to congregation.

### TECHNICAL SUPPORT TECHNICIAN

North Central University 📅 May 2016 - Apr 2017

- Prepared and deployed workstations for university employees.
- Troubleshoot a variety of technical issues for students, staff, and faculty.

## PROJECTS

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### I KNOW WHEN YOU'RE GOING TO DIE

Twin Cities Startup Week 📅 Oct 2017

I placed 2nd competing alongside a designer in the 2017 Hack for Change Hackathon as part of Twin Cities Startup Week. Our app leveraged the event's sponsor's (Nexosis) machine learning api as well as CDC data on mortality to predict a users exact date of death. The project required us to clean a dataset, upload that set to Nexosis using AWS, and train a regression model with 3 inputs and a single output feature.

### SIMPLE WORKOUT

Portfolio Project 📅 Sep 2017

I built this front end project to learn how to use object oriented features of ES6 in an Angular app. It's an exercise web app that allows users to quickly put together a workout. I learned:

- Scoping issues related to lexical binding in arrow functions.
- Recursive algorithm structures interacting with two-way binding.
- Utilizing CSS grid system to create a consistent UI.

### PRAECO IIoT

Lab651 📅 Aug 2017

Praeco is a mobile first web application written in the MEAN stack designed to connect users in to their IOT devices leveraging the particle.io platform.

- Technologies I focused on include Node.js, Express.js, Passport, MongoDB, Nodemailer, Twilio, Particle.io, NPM, and Heroku.
- Once an admin invites a user to join, they are able to set up text message and email alerts for their IOT devices connected through Particle.io.
- I focused on back end logic for this project which included setting up notification services and connecting them to requests received directly from IOT devices via particle webhooks.

### CAPTURE

Prime Academy Solo Project 📅 July 2017

A mobile-first web application that enables content creators to write great speeches and blogs.

- Technologies used in development include Angular, PostgreSQL, SASS, Node.js, Express.js, and Gulp.
- It allows users to capture moments of inspiration when they happen and then organize those thoughts later.
- Capture utilizes the IBM Watson API, data visualization tools, and a genetic algorithm used to suggest ways of organizing content.