



# MATT MODERWELL

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 @moderwelldesign

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## EDUCATION

- **UNDERGRADUATE** **Evanston, IL**  
**Northwestern University** Fall 2016 - present  
Weinberg College of Arts & Sciences  
BA in Computer Science, current GPA: 3.2/4.0
- **Relevant Coursework**  
Data Structures and Data Management (C#), Mathematical Foundations of CS, Intro to Computer Systems (C), Intro to Artificial Intelligence, Machine Learning (Python 2.7), Differential Calculus of Multivariable Functions, Linear Algebra

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## EXPERIENCE

- **Machine Learning Engineer Intern**  
Nousot | Winter 2019 - present
  - Built ML models to make accurate predictions and analyzed the models to understand their performance
  - Optimized a frontend interface to efficiently display thousands of individual locations on a map element
- **Division 1 Soccer**  
Northwestern University | Fall 2016 - present
  - Balancing a demanding academic curriculum with an equally demanding 20 hour/week commitment to athletics
  - Learned to manage time effectively as well as the ability to work from anywhere
- **Daze Productions Company Branding**  
Freelance Work | March 2017 - October 2017
  - Designed a logo and brand identity for an event production company as well as their company website
  - Learned about creating for a third party and the steps needed to redesign according to their needs
- **Tala Threads T-Shirt Company**  
Fall 2015 - Summer 2016
  - Launched an online t-shirt company selling premium bamboo t-shirts
  - Learned about the many aspects of running a small business including marketing, financials, and product logistics


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## PROGRAMMING PROJECTS

 | [auth.mmoderwell.com](http://auth.mmoderwell.com)

User authentication with facial recognition.  
Northwestern University, Machine Learning  
Spring 2018

Built a web app that implements a facial recognition backend to authenticate a user on the site. Deployed to a remote linux server running the Node.js and Python backends.

 | [sage.mmoderwell.com](http://sage.mmoderwell.com)

A web app that tells you the important things you may need to know that day.  
Personal Project, Summer 2017

A web app built with Node.js that gives users valuable information about their day. The app utilizes dynamic content to personalize the information displayed to that specific user.

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## SKILLS

### Programming Languages

- JavaScript (ES6)
- Python 3
- C#
- C++
- Arduino

### Frameworks/Packages

- Node.js
  - Mongoose
  - Express
  - React
  - Passport.js

### Software

- Adobe Illustrator, Photoshop, After Effects
- Autodesk Inventor
- Cinema 4D, Blender
- Microsoft Office Suite

### Technologies

- HTML5 and CSS3
- Linux, Windows
- Git
- NoSQL (MongoDB)
- LaTeX, Markdown