

# Mario A. Del Real



mariodelreal.github.io



in/madelreal



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## Education

Carthage College Kenosha, WI  
B.A. Computer Science  
May 2019

GPA: 3.55  
Math Minor

## Languages

Most Experienced: HTML, JS,  
CSS, Java, C++, C

Experienced: Node.js, SQL, R,  
Python

## Technology

React, Bootstrap, Linux,  
Eclipse, Qlik Sense, Git, Visual  
Studio, Raspberry Pi, Strategy  
Studio, Android Studio

## Extra-Curricular

### Velocity Consulting

Evaluated a customer's website  
traffic, layout, and functionality  
to propose a plan that would  
increase user subscriptions

### MadHacks Hackathon

Partnered with a student to  
build a prototype web app that  
integrated the Google Maps API  
along with state crime reports  
to suggest a safe way to reach  
your destination

### Computer Science Club

Partnered with a student to  
build a Google Chrome  
extension that solved our  
complaints of reading articles  
on advertisement heavy  
websites

## Experience

Web Developer - CNH Industrial  
Racine, Wisconsin

May '18 - Sep '19

- Dropped the publishing time of web apps from 5 minutes to near instantaneously
- Led full stack web development and software integrations using Java, Oracle, Linux, and various JS libraries
- Implemented chat functionality to the Dealer Portal site to decrease the number of calls employees take

Algorithmic Trading - Financial Market Research Feb '18 - May '18  
Kenosha, Wisconsin

- Worked with *RCM Alternatives* from Chicago to develop an algorithm to trade the Soybean Crush Spread
- Ran market simulations in C++ to refine the algorithm
- Won first place at an RCM Alternatives conference for the solution

## Projects

Nintendo Entertainment System IDE Oct '18 - May '19  
JS, HTML, Node.js

- Inspired by the need to make development easier for the NES
- Addresses the shortcomings of other NES development tools
- Only open source project to have an integrated code assembler and emulator to test a game
- Only open source project to feature a dynamic tile editor

Web Reading Tool Chrome Extension Apr '17 - May '17  
JS, HTML

- Inspired by the desire to read online articles without being disrupted by ads and videos
- Clicking on a text field opens a tab that provides an editor to change font and color settings
- The average adult can double their words read per minute to 500 or more by using the speed reading tool the extension provides

## Achievements

Distinguished Member of Velocity Consulting Award May '19  
Member of a team responsible for developing a plan to increase the users of the customer's web app. I gave first hand knowledge on good website designs, how to interpret web analytics, and the cost maintaining the website

First Place in RCM Alternatives' research presentations May '18  
Competed against U of I at Urbana-Champaign and Notre Dame to present our accomplishments from algorithmic trading

Dean's List - Six Semesters '15 - '19

Recipient of Mary Lou and Arthur F. Mahone Scholarship May '15  
Full academic scholarship