

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
- Lead 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