

Mario Del Real



mariodelreal.github.io



in/madelreal



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Education

Carthage College Kenosha, WI
B.A. Computer Science

GPA: 3.48

Math Minor

Expected Graduation May 2019

Languages

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

Experienced: Java, bash, ksh

Technology

Visual Studio, Eclipse, UNIX,
Git, Raspberry Pi, Strategy
Studio, Android Studio

Extra-Curricular

Velocity Consulting
-Web Analyst Role

Computer Science Club

MadHacks Hackathon

Experience

Web Developer Intern - CNH Industrial

May 2018 - Present

Racine, Wisconsin

- Use of HTML, JS, CSS, jQuery, and Bootstrap to create web content
- Create batch and ksh scripts to simplify workloads and code testing on various platforms
- Generate reports using Qlik Sense

Algorithmic Trading - Financial Market Research

Feb - May 2018

Kenosha, Wisconsin

- Worked with RCM-X from Chicago to develop an algorithm to trade the Soybean Crush Spread
- Used their Strategy Studio application and API to write code in C++ and run market simulations using past tick data to refine the algorithm
- Presented the team's solution and results at an RCM-X conference where we won first place

Projects

Nintendo Entertainment System IDE

Since Oct 2018

JS, HTML, NodeJS

- A localhost web browser application to help developers create games for the NES
- Able to inject a tile's address in memory into the code editor by selecting from the list of completed tiles
- Includes a tile and code editor with code completion and suggestions for NES assembly
- Utilizes an open source assembler and emulator to run the code generated through the tile and code editor from the application

Web Reading Tool Chrome Extension

Apr - May 2017

JS, HTML

- Click any HTML container on a webpage to extract only the text into a separate tab to launch the tool
- User is able to customize all aspects of the text (color, font, size, etc) without having to worry about auto-playing videos or ads
- A speed reading option displays a single word at a time at the user's desired speed

Achievements

First Place in RCM-X market research presentation

May 2018

Went up against U of I - Urbana-Champaign and Notre Dame to present our accomplishments from algorithmic trading

Dean's List

2015-2018

Earned a 3.5+ GPA during five semesters

Recipient of Mary Lou and Arthur F. Mahone Scholarship

May 2015

Awarded for academics