

MATTHEW CIAGLIA

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OBJECTIVE

I am a motivated techie seeking a challenging opportunity where I can leverage exciting new technologies, such as blockchain and machine learning, to build more efficient software.

EDUCATION

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| SEPTEMBER 2011 | CARTHAGE COLLEGE - KENOSHA, WI | Carthage.edu |
| MAY 2015 | Bachelor of Arts Degree in Computer Science Minor in Business Administration Graduated Cum Laude | |

LANGUAGES AND FRAMEWORKS

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| PROFESSIONAL | C#, SQL, Typescript, Javascript, FoxPro, MongoDB React, Redux, .Net, ASP.Net, Entity Framework, Autofac |
| EDUCATIONAL | Solidity, Web3, Python, Moca, Java, Ruby |

PROFESSIONAL EXPERIENCE

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|----------------|---|--|
| JANUARY 2017 | (Remote) Software Engineer at DOHMEN LIFE SCIENCE SERVICES | Dohmen.com |
| CURRENT | Full Stack developer and Tech-Lead on custom apps containing RESTful Apis, React and ASP.Net front-ends, and C# Windows Services. Designed and developed a genetic algorithm to utilize a set of heuristics to minimize inventory usage and optimize drug doses shipped to patients. Greenfield agile development through VSTS and GIT. | |
| JUNE 2015 | Software Engineer at RED ARROW LABS | RedArrowLabs.com |
| JANUARY 2017 | Supported and enhanced legacy financial systems as well as those built on latest technologies. Took ownership for support and enhancement of a C# WPF application built on the Caliburn.Micro framework. Challenged the company's inefficient SVN process and implemented a more repeatable and blamable GIT work-flow. | |
| FEBRUARY 2015 | Computer Science Tutor at CARTHAGE COLLEGE | |
| MAY 2015 | Helped students improve their problem solving skills by working through assignments in the various programming courses offered at Carthage College. Courses included: Introductory Programming in C, various Object Orientated courses in Java and C++, and Programming Paradigms which covered: Ruby, Python, GO, Clojure, C#, and more. | |
| SEPTEMBER 2013 | Software Developer at STORYTELLER SOFTWARE | |
| JANUARY 2014 | Modified visual, as well as conceptual, aspects on the JQuery front end of the Storyteller Software. Storyteller is a version control system allowing developers to share an animation of how a system has evolved, rather than the traditional still-snapshot. | |

SIDE PROJECTS

BLOCKCHAIN FUN

Completed Blockchain and Ethereum courses on Udemy to gain a formal knowledge of the Ethereum blockchain, smart contracts, and the ERC721 token standard. Built Solidity DAPPs using Metamask on Infura's test nodes with React frontends. Unit tests written in Mocha using the Truffle Suite. Created a trivial private Python blockchain complete with the ability to mine new blocks, consensus transaction control, and api endpoint mappings via Flask.

STRATEGO JAVA APP

Recreated the Stratego board game by Milton-Bradley into a digital version with common patterns such as State, Singleton, and Proxy to allow two players to chat and play over a local network. Built using Java Swing and later ported to Android connecting players with Google Play Services

MUSICALITY RUBY APP

<http://radiant-river-4505.herokuapp.com>

Created a unique way to find tracks from your favorite artists based on other user's track comparisons within an artist's discography. Built using Ruby with Sinatra, deployed using Heroku.

ACHIEVEMENTS

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| 2011 - 2015 | Member of the Carthage Volleyball Team |
| 2013 - 2015 | Captain of the Carthage Volleyball Team |
| 2011 2013 2014 2015 | Carthage College Deans List |