

Samuel Macaluso

SOFTWARE DEVELOPER

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Summary

Current member and back-end developer at Better Games LLC. 6+ years experience specializing in security, data mining and recognition, and backend development for both web and native applications. Interested in problem solving, designing and implementing applications, and cyber security.

Work Experience

Michigan State University School of Planning, Design and Construction

DEVELOPER

East Lansing

February 2019 - Present

- Utilize ArcGIS for displaying vacancy data statistics on a PHP website.
- Developed a login plugin with user management for the Wordpress CMS

Better Games LLC

FOUNDER

November 2018 - Present

- Designed and implemented the C# backend as well as the netcode used to communicate with Steam
- Handled communication with publishers as well as documentation for forming the company

Michigan State University Institute for Cyber-Enabled Research

TECHNICAL ASSISTANT

East Lansing

July 2017 - February 2019

- Wrote build scripts and maintained packages for the HPCC.
- Worked on upgrading systems to a new node cluster.

Michigan State University RS&GIS

WEB DEVELOPER

East Lansing

November 2015 - March 2017

- Developed the admissions portal and course registration for the MSU college of Social Work.
- Developed and maintained the course registration website for the MSU School of Human Resources and Labor Relations.

Michigan State University Plant Research Laboratory

RESEARCH ASSISTANT

East Lansing

December 2012 - January 2015

Worked on several papers and projects with faculty including: Visual Phenomics, image recognition and processing for calculating photosynthetic data of plants and PhenoMath, analyze the output from Visual Phenomics, running pattern recognition and outlier detection algorithms to determine interesting data-points.

Public Projects

Puttin' Around

ONLINE MULTIPLAYER MINI GOLF GAME WRITTEN IN C# RUNNING OFF OF THE UNITY ENGINE. DISTRIBUTED VIA STEAM, AND RUN OFF OF DEDICATED SERVERS.

2019

MSU Social Work Undergraduate Application system

EASY APPLICATION FOR MSU STUDENTS TO APPLY TO THE SCHOOL OF SOCIAL WORK. ADMINISTRATION PORTAL NOT PUBLICLY AVAILABLE. WRITTEN IN PHP WITH A MYSQL DATABASE.

2017

MSU School of Human Resources and Labor Relations Course Registration

EASY WEB REGISTRATION FOR THE MSU SCHOOL OF HRLR, WRITTEN IN PHP WITH A MYSQL BACKEND.

2017

EAT

A NODE.JS WEBSITE TO PARSE AND COMBINE DINING MENUS FOR VARIOUS SOURCES.

2017

Skills

Software & Tools	Ghidra, Git, MATLAB
Languages	C, C++, C#, Coq, Go, Java, Javascript, PHP, Python, R, Rust, SQL
Interests	Data Analysis, Cyber Security, Penetration Testing, Machine Learning, Pattern Recognition