

Samuel Macaluso

SOFTWARE DEVELOPER

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Work Experience

Vertafore

SOFTWARE ENGINEER

- Worked with both remote and in house teams to maintain software and setup server configurations.

East Lansing

April 2019 - Present

Better Games LLC

FOUNDER

- 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

November 2018 - Present

Michigan State University School of Planning, Design and Construction

DEVELOPER

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

East Lansing

February 2019 - April 2019

Michigan State University Institute for Cyber-Enabled Research

TECHNICAL ASSISTANT

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

East Lansing

July 2017 - February 2019

Michigan State University RS&GIS

WEB DEVELOPER

- 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.

East Lansing

November 2015 - March 2017

Michigan State University Plant Research Laboratory

RESEARCH ASSISTANT

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.

East Lansing

December 2012 - January 2015

Projects

CMS G2

CMS USED BY INSURANCE AND SECURITIES COMPANIES TO MAINTAIN APPOINTMENTS AND AGGREGATE DATA. WRITTEN IN JAVA WITH A LDAP USER SYSTEM, AND WITH CONNECTIONS TO AWS.

2019

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

Education

Michigan State University

East Lansing

COMPUTER SCIENCE

2011 - 2018

- Placed 4th at the ACM ICPC 2012.
- Placed 3rd at MHacks 1.

Skills

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