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# Skills

* C#, VB.NET
* ASP.NET and Core
* MVC, WebForms
* HTML, CSS, JS
* jQuery, Bootstrap
* Git, TFVC
* SQL, EF6, EF Core
* Azure DevOps

# Work Experience

## [Lake Michigan Credit Union](https://lmcu.org) Grand Rapids, MI

Web Developer II June 2019 – Present

* Implemented a proprietary CMS for the main website
* Started a “book club” for learning new technologies
* Maximized speed of applications using TPL and profiling
* Championed the use of unit testing and laid a foundation
* Participated in frequent Code Reviews
* Integrated [SonarQube](https://www.sonarqube.org/) analysis into the existing CI/CD process
* Followed an on-call schedule requiring availability after hours and on weekends

## [Technology Solutions of Michigan](http://ts-mi.com) Kalamazoo, MI

Web Developer April 2018 – June 2019

* Worked for multiple clients delivering a multitude of applications
* Maintained legacy apps written in VB.NET
* Created an application for automatically updating remote servers via proprietary methods
* Coordinated with clients in remote time zones and calendars including Nepal
* Quoted projects and gave time estimations to clients
* Refactored inefficient code to improve performance and meet client requirements
* Performed daily sprints with manager and teammates

## [Colorado State University](https://colostate.edu) Fort Collins CO

Web Developer July 2013 – April 2018

* Developed applications for use in the Advising Department
* Designed, built, and maintained several applications independently
* Programmed in tandem with manager

# Education

## Colorado State University Fort Collins, CO

Bachelor of Science August 2012 – August 2017

* Completed numerous courses in science including biology, psychology, chemistry, physics, and calculus
* Completed additional coursework in Computer Science including classes relevant to Java, C, C++, and Unix

# Projects

## Taking Stock 2013

* Initially built upon C# Web Forms and HTML
* Accesses databases using LINQ-to-SQL tools
* Allowed any Resident Assistant (RA) to view the students on their floor in a sortable table
* RA users could track their student’s survey progress, notes from academic advisors, and send them emails from an in-site system
* Re-deployed in 2017 as an MVC project using new Bootstrap styles and jQuery Data Tables plugin
* Worked directly with superior to determine layout and function, then worked independently to incorporate those ideas into a working site

## ETI 2014

* Designed to allow staff to send emails from department accounts besides their personal address
* Utilized a User Role system to group departments together, allowing the sharing of templates
* Allowed staff to automatically add recipients based on their ID Number without knowing their name or email address
  + Lookup using an existing SQL database of students, gathered from main campus
* Utilized C# and HTML
  + First personal project with near complete autonomy
* Worked with staff members to rapidly respond to errors and push updates on the fly
* Created a from-scratch stylesheet for the entire site
* Began updating in 2017 to use improved jQuery plugins and a uniform bootstrap style to bring the system in line with other sites

## Outreach and Support 2015

* HTML and the Mojo Portal Content Management System (CMS)
* Worked with small group of non-technical staff to gather their ideas for a new front-end site
* Built the stylesheet from scratch around the existing CMS layout
* Educated staff members on proper usage of CMS and responded to their requests and criticisms

## [World Wide Labs](http://www.wwlab.org/index.html) (WWL) 2017

* Application for use by hospitals in countries abroad
* Charity that provides the software for hospitals with smaller budgets
* Built in VB.NET by one developer in the late 2000’s
* Worked directly with the client to upgrade, maintain, and publish the application to sites across the globe

## [Snowpaths](https://snowpaths.com/) 2018

* Snow plow tracking utility to determine which roads in a municipality have been plowed
* Console application that reports progress to a basic web page
* Written in C# and .NET Full Framework with Entity Framework Core
* Processor was responsible for looping over GPS points provided by Verizon and mapping a snow plow’s path to determine if a road has been plowed

## [Kalamazoo RESA, Education for Employment](https://www.kresa.org/Domain/67) 2018

* WebForms application for use by Kalamazoo public schools
* Allowed teachers to track student enrollment and maintain their course list
* Teachers could create reports using a [Stimulsoft](https://www.stimulsoft.com/en) implementation
* Upgraded the application with new features and bug fixes
* Tracked progress using the Azure DevOps Kanban board

## [PSE Event Housing](https://psehousing.com/) 2018

* Hotel booking site for sports teams
* Full redesign implementation with styles provided by a designer
* Refactored outdated code to work with the new designs
* Worked directly with the customer to tweak designs and meet expectations

## LMCU Internal CMS 2019

* Proprietary CMS for use by staff to update parts of the main LMCU web page
* Part of a team tasked with implementing new features to make the system more robust
* Personally added the ability to create Pages, Sidebar menus, and breadcrumbs
* Worked with wireframe code developed by a past employee and completed the implementation
* Passed the project on to a Quality Assurance team to insure ideal before passing to the Business Unit
* Created the first Unit Tests for the company using MsTest v2