Ian Hawley

New London WI | 51ianhawley@gmail.com | 920 8438560 | <https://www.linkedin.com/in/51ianhawley/>

# EDUCATION

**Bachelor of Science Software Technologies:** University of Wisconsin Oshkosh- Oshkosh, Wisconsin Expected May 2025

* Designed and developed the Tree Hugger mobile app in .NET Maui, allowing users to explore campus by marking tree types on a map, providing an interactive educational experience in forestry
* Built and deployed Custodiapp in Flutter for the UW Oshkosh Facilities department, improving custodian workload management and enhancing productivity by tracking task quality and streamlining record-keeping

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| * Java
 | * Dart
 | * T-SQL
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| * Swift
 | * Android Native
 | * JQuery
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| * PostgreSQL
 | * Git
 | * Interfacing PowerBI with .NET
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**Associate Applied Science Software Developer:** Fox Valley Technical College- Appleton, Wisconsin May 2022

* Developed Brewer’s Paradise, a web platform using C# and .NET, enabling homebrewers to share beer recipes and participate in forum discussions

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| * MySQL
 | * PHP
 | * Azure Dev Ops
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| * .NET WPF
 | * .NET Xamarin
 | * .NET MVC
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# EXPERIENCE

## Part time Programmer/Developer- University of Wisconsin-Oshkosh- Oshkosh, WI- August 2023 - Present

* Collaborated in a team to rewrite the MyUWO residence life management web app, using Angular for front end and containerized .NET web APIs leveraging Docker on AWS Lambda for backend
* Developed student card functionality in SAP SQL Anywhere, improving dorm management system's operational efficiency
* Design, develop, and maintain web applications adhering to standards
* Led migration of a Microsoft SQL Server database from UWO’s infrastructure to StarRez cloud infrastructure, ensuring data integrity and a seamless transition
* Created testing documentation validating after the cloud migration
* Migrated 70 webpages from the UW O Filariasis center website into WordPress
* Performed QA testing on the MyUWO application post-StarRez Cloud migration, ensuring system stability and functionality; created detailed testing documentation for future reference and compliance.
* Implemented a feature to view Door Access Control System Events for Campus Police
* Facilitated ongoing communication among team members to ensure alignment on project goals, timelines, and deliverables

## Software Developer Intern- SECURA Insurance Companies- Appleton, Wisconsin- November 2021 - June 2023

* Implemented a feature into an internal Bazorise .NET web app that moved base rates between development environments which saved Business Analysts 27 hours of manual data entry
* Atlassian Jira
* Handled production support tickets reported by users by applying debugging skills and knowledge of codebase
* Documented legacy codebase
* IBM DB2 VB.Net GitFlow
* Collaborated within an Agile development team, contributing to sprint planning, code reviews, and continuous integration

# PROJECTS

## IOT Project- Appleton, WI- March 2020 - Present

* Created a web application to control LED lights in bedroom
* Web frontend written in PHP, CSS, HTML, JavaScript, Node JS
* JavaScript, CSS, and Arduino/C++.and JSON APIs. Languages used: HTML5, Python, NodeJS,

## Boy Scouts Troop 44- Eagle Scout- Kimberly, WI- February 2018 - May 2019

* Renovated Kimberly High School Frisbee Golf Course
* Fabricated course information Kiosk
* Replaced old plastic signage with new metal signage
* Coordinated troop fabrication and installation of kiosk

# VOLUNTEER INVOLVEMENT

## Trail Building- North East Wisconsin Trails (NEWT)- Appleton, WI- August 2020 - September 2024

* Cleared 150 yards of invasive species along a surveyed path where a future mountain bike trail will be created at Calumet County Park