

Andrew Winchell

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SKILLS

SQL • Python • HTML • CSS • JavaScript • Project Management • ArcGIS Desktop • ArcGIS Online • ESRI Mobile Apps • Model Builder

EDUCATION

University of Wisconsin Madison May 2023
Master of Science Geographic Information Systems Development 4.0 GPA

University of Wisconsin Oshkosh May 2018
Bachelor of Science Geography & Certificate Geographic Information Systems

EXPERIENCE

Mi-Tech Services, Inc Green Bay, Wisconsin
GIS Specialist August 2018 - April 2021

- Configured various GIS technologies to save thousands of dollars annually in software licensing, increased field crew production, and decreased critical down time, post-production, and billing
- Designed feature report templates for Survey123 to automate the permitting process for utility pole attachments

Momentum Design, LLC Green Bay, Wisconsin
Lead GIS Specialist May 2021 - March 2022

- Piloted the transformation of utility pole field design that increased daily field production by an average of 20%, eliminated hours of post-processing work, and freed over 1TB of server space
- Design customized utility asset data collection systems leveraging the Esri ArcGIS Online platform

Cobec Consulting, Inc. Washington, D.C.
Associate Consultant - ArcGIS Developer March 2022 - Present

- Designed comprehensive workflow through multiple Esri resources for collecting, reporting, and analyzing Terminal Automation Modernization & Replacement (TAMR)
- Wrote programs in Python to analyze a survey123 feature report and convert it into a formatted excel workbook
- Developing custom Java Servlet Pages and JavaScript web applications using the Esri Calcite Design System and ArcGIS Maps SDK for JavaScript
- Author/Co-Author numerous Dashboards, Experience Builder applications, and web maps/scenes
- Experience configuring both Microsoft Power Automate and Make webhooks for data management flows