

ELIZABETH PHILBROOK

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SKILLS

Bootstrap
C++
C#
HTML/CSS
jQuery/jQuery UI
Java
JavaScript
Node.js
OO Methodology
Python
R
SQL
TCP/IP
Microsoft Office Suite
ArcGIS Pro/Online
GitHub
PyCharm
NetBeans
RStudio
Visual Studio

EDUCATION

B.A. - Computer Science
Saint Anselm College
Manchester, NH
2018 - 2022
GPA: 3.72
Awards -
Magna Cum Laude
Deans List 8/8
Alpha Lamda Delta Honor Society

PROFESSIONAL DEVELOPMENT

Coding Boot Camp
University of New Hampshire
Durham, NH
2022-2023 (currently taking)
Including follow-on course in C#.

LANGUAGE

French

SUMMARY

Graduate of computer science with in-depth knowledge of the software development cycle, Agile techniques, Java, C++, and OO Methodology. Seeking to learn from experienced team members while drawing on proven self-management and problem-solving abilities. Looking to work through dynamic challenges to create, test, maintain, and enhance software to high technical standards that provide the best solution possible.

EXPERIENCE

Project Coordinator - Sunergy Solutions, LLC , 2022 to present

- Manage the activation process of solar arrays.
- Investigate and analyze technical performance issues of solar panels.
- Maintain projects with CRM, and coordinate and facilitate project permits.
- Prioritize tasks, and responding to changing priorities.
- Communicate with team members on project status, and with customers on deliverables and schedules.

Computer Science Peer Tutor - Saint Anselm College, 2021 to 2022

- Worked with students to provide assistance with course-specific concepts and programming in compliance with college academic integrity standards.
- Provided academic assistance in Python and HTML5, and analyzing data in ArcGIS.
- Modeled problem-solving strategies, and worked on developing study skills.

PROJECTS

Creator - Mapping Cyanobacteria Sites on Pine River Pond in Wakefield NH, 2020 and 2022

- Developed 2 projects that built off each other to map and analyze the locations of cyanobacteria blooms and the land types surrounding the 570-acre lake using ArcGIS.
- Created map and feature layers to locate specific bloom information, and can be expanded as new blooms occur.
- Analyzed data of the land and tested a theoretical LIDAR method for detecting cyanobacteria.

Creator - Food Banks and Poverty Levels in New Hampshire, 2021

- Developed ArcGIS map analyzing the rates of poverty in all census tracts, and the locations and drive times to the food banks.
- Created data storage of the locations of the food banks to create map and utilized databases of poverty and population rates for feature layers.
- Analyzed the estimated driving times to the food banks calculated with ArcGIS to determine which areas were not as accessible.
- Provided results to the NH Food Bank to aid in determining the best locations for new food banks.