Harrison Fox Hodge

Software Engineer
IT specialist

Phone - 309-235-8636
Email - fox.hodge0@gmail.com
Location – Madison, WI

- Python
- C#
- Visual Studio
- MS Office
- HTML/CSS
- Agile
- Web/UI Design
- Java
- SQL
- Android Studio
- Photoshop
- GIT
- Scrum
- Debugging

X-Bar and R Chart Visualizer
- Designed a Windows Forms C# application in Visual Studio using graphs, dictionaries, and lists.
- Reads a CSV from a file dialog and dynamically plots data points corresponding to headers.
- Capable of exporting data from start and end dates, copying from desired rows, and zoom functionality on the displayed graphs.
- Analyzes data to show means and ranges compared to upper and lower limits

Reusable Code Loader
- Independently built Windows Forms C# application in Visual Studio for my coworkers.
- Loads frequently used code from user's text files.
- Capable of editing, exporting, and adding functionality for different programmable purposes.

Various Coding Projects
- Developed a calculator and to-do list app in Java with Android Studio .
- Database in MySQL with foreign key cascades.
- HTML/CSS website for a biography and a gallery.
- Programmed hand controllers for toy trains inside a virtual machine and pushed/forked code to Git.
- Experimented with test cases, real-time embedded systems, project management, and more.

University of Northern Iowa

Bachelor of Arts, Major in Computer Science, Minor in Interactive Digital Studies
- Kappa Sigma Executive Committee
- Reoccurring Dean's List recipient

System Assembler - CPU Solutions
Middleton, WI 2023
- Assembled computers with a variety of elements
- Obtained knowledge of industry leading components, functionality, and compatibility within various systems.
- Informed clients of the best choice in their system for any intended use.

Software Developer - TechWorks
Waterloo, IA 2023
- Collaborated with my team to discuss future projects and programs to implement.
- Acquired leadership and teamwork skills while developing applications to improve and automate company's daily tasks and improve efficiency.
- Maintained a growth mindset while overcoming challenges designing complex programs.

IT Assistant - University of Northern Iowa
Cedar Falls, IA 2022 - 2023
- Partnered with university system administrators to improve and formalize a website used by thousands of students and faculty alike.
- Directed weekly team meetings on designated topics for current and future assignments.
- Launched hundreds of support documents, repaired web links daily, assisted with high level and fast paced needs.
- Modernized and developed graphics to provide online support for new students and faculty.

IDPH Researcher - CSBR
Cedar Falls, IA 2020 - 2021
- Digitized data for record keeping with the Iowa Department of Public Health.
- Attained strong communication skills by engaging in constant conversations with a diverse audience.
- Strengthened my ability to self-critique during monthly reviews for the betterment of the team and my independence.