Erik Thompson erikthompson12345@gmail.com 5328 Bundleflower court Naperville, IL 60564 630-470-5389

OBJECTIVE

Software Engineering and Software Development career opportunity applying analytical abilities, programming, teamwork, and technical skills gained from hands-on project experience. Usage of data structures, algorithms and data mining practices.

SKILLS & CERTIFICATIONS

- Coursework: basic and advanced topics in graphics algorithms, both in animation and visual graphics, basic and advanced topics in operating systems, basic and advanced topics in circuit development and analysis, basic networking topics
- Operating Systems: extensive knowledge of: Windows, basic knowledge of Linux - Programming: proficient in ANSI C, x86-64 Assembly Code, SQL, Ruby on Rails, Java, Python.
- Software Applications: advanced knowledge of Word, PowerPoint, Excel
- Other applicable skills: effective interpersonal communication and teamwork skills

EDUCATION

The Ohio State University, Columbus, OH
B.S., Computer Science Engineering, May 2024
Specialization in Databases and Data Science
Major GPA (4.0 Scale): 3.6
Dean's List Honorary
Extracurricular Activities –
        Tabletop Gaming Association member
        Cybersecurity Club Member
        Student Cook

ACADEMIC PROJECTS

Ruby on Rails Student-Grader Web Application (January--May 2022)
- Student-Grader website has login user interface, course selection, and grader interface. Different ruby gems were included in source code to add functionality. Admin has special interface to promote or remove other users. Course selection loaded from Ohio State University course API.

Data Mining Project (January--May 2024)
- Utilized Python and Python's numpy, pandas, and scikitlearn libraries to analyze large datasets such as Instacart Market Basket. Clustering algorithms and association analysis were used to make new insights on MATLAB pyplot data visualizations.

Cybersecurity Response Database Capstone Project (January-- April 2024)
- Served as team leader with Ohio National Guard Cyber Reserve to make a database and web server modeling the steps of incidence response. Coded back-end design in Ruby on Rails to make a web application that allows for pdf download and table bulk updates and row additions of various datatypes.

Personal Website – https://eriktho1.vercel.app
Github Project Directory - https://github.com/eriksthompson