Erik Otto Kriz

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Objective

Seeking opportunities in cybersecurity, systems administration, and computer design to utilize critical thinking, problem solving, and teamwork skills.

Education

University of Connecticut | Bachelor of Science in Engineering   MAY 2021

Major: Computer Science and Engineering | Minor: Mathematics

Cumulative GPA: 3.56 / 4.00

Related Courses: Object Oriented Programming, Systems Programming, Algorithms and Complexity, Computer Architecture, Digital Logic Design.

Technical Skills

Application Programming: Python, C, C#, Scheme(LISP), HTML, CSS, Linux/Unix
Repositories: Git, GitHub
Digital Logic: Skilled in designing and building systems consisting of logic gates.

Relevant Projects

Game Tree*:* Created a program which both created a game tree for the game "Chopsticks" through dynamic programming, and played against the user, letting them know if they were guaranteed to lose, win, or tie. This was coded and displayed through Python.

Sequence Detection*:* Designed and created a physical state machine using Karnaugh maps, a circuit board, and logic gates. This state machine was used to detect if either of two key strings was input from a stream of input bits.

Resource Management: Created a program which simulated data transfer system through a cable using C. This system would only allow data to flow one way at any given time and decided on which direction the data should flow based on how much data was backed up on both ends and how long it had been since the data had switched directions. This virtual data cable was represented by a parent thread and each packet of data was represented by child threads.

Work Experience

Office Intern | Claris Construction   MAY 2018 - JUNE 2018

- Cleaned out entire database of unnecessary files from all older construction projects, lessening the strain on the database and helping with organizational flow.
- Assisted architects with on-site clerical work by ensuring that buildings up for potential renovation matched their blueprints exactly, preventing any mishaps during construction.

- Participated in team meetings and worked in a team environment, helping to plan out work over the course of both the current week and setting long term goals.

Bartender | Panther MT. Pub   MAY 2017 - AUG 2018

- Applied excellent organizational and multitasking abilities to handle simultaneous customer, team and business needs while avoiding unnecessary delays or errors.