BENJAMIN WEBER

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https://github.com/kerenin95/Markov-Text-Gen.git | www.linkedin.com/in/weberbencs

Looking for opportunities in the Chicagoland area

Personal Summary

Highly motivated and enthusiastic student at Indiana University with a 4.0/4.0 major GPA with a strong passion for problem-solving, teamwork, and software technology. Demonstrated deep knowledge of concepts including object-oriented design, data structures, and information security. Excited for the opportunity to learn about and develop innovative software as a software engineer.

Education & Certifications

Indiana University, Bloomington, IN — Expected Graduation Summer 2021

Bachelor of Science Informatics: Cybersecurity
Major GPA: 4.0/4.0 **Cumulative GPA:** 3.8/4.0

Ivy Tech, Columbus, IN — Graduated Fall 2019

Associates Applied Science IT: Support
Certifications: CompTIA Security+, CompTIA Network+, CompTIA A+

Proficiencies & Skills

Languages: Python, Java, Scheme, C++
Platforms: Windows, Linux, Mac OS
Databases: SQL, SQL lite, Microsoft Access
Development: JavaScript, Django, Node.js, Bootstrap, Android SDK
Security: Linux and Windows systems security, antivirus systems, user intrusion-detection, vulnerability-scanning, proxy applications, website monitoring
Miscellaneous: Agile (Scrum), Visual Studio Code, Git, GitHub, Vim, Microsoft Office

Technical Projects

- **Python Markov Chain Generator**

Project designed take text input or song lyrics and output a song using the lyrics based on a Markov chain. Making heavy use of Object-Oriented Programming, imports, as well as file manipulation to create data points for a Markov chain. This allows the user the ability to see data connections in lyrics or text immediately and determine its themes.

- **Python Sudoku Solver**

Implemented a Python application that solves Sudoku Puzzles that are entered by the user as a class final project. The solver uses recursive backtracking, array data structures, and file imports to track the puzzles entered by the user.

- **Java Email Application**

Wrote a Java Email Application that used object-oriented programming in Java to generate random email addresses and passwords. This program also made use of Java packaging to organize several different classes together.

- **Linux System Security Environment**

Administered a purpose-built Linux environment developed to test system security knowledge by using remote access Ubuntu servers. Evaluating a variety of security skills including network intrusion detection and prevention systems, system attack monitoring, and Dos prevention.