KEVYN HIGBEE

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EXPERIENCE

California State University San Marcos   *Dec 2021 - Present*
Information Technology Consultant
- Worked with team to process tickets in support of over 40,000 clients
- Developed internal scripts and programs using Bash and Python to enhance team efficiency when working with Wufoo forms and Alcatel-Lucent network switches
- Mentored new hires on good practices and team processes and effectively communicated with team and users, fostering a collaborative work environment
- Created documentation for processes and troubleshooting problems, allowing easy reference and knowledge sharing for team
- Demonstrated quick problem solving and adaptability to new software, interfacing with vendors when needed

PROJECTS

Port Security Manager (Python)   *Feb 2023*
- Wrote a GUI and SSH Handler in Python to interface with Alcatel-Lucent networks switches on AOS versions 6 and 8
- Used knowledge of regex and string handling to generate information and ssh scripts based on user input
- Implemented a custom console for extra I/O and logging
- Safely stored and retrieved user credentials for use across multiple ssh sessions using symmetric encryption

Receipt Reader (Python)   *May 2021*
- Utilized computer vision, object detection, and OCR to transform and read text in images into memory
- Created an algorithm to group related text from a transformed image based on positional data into a JSON format
- Sourced data sets to test and improve accuracy of algorithm by comparing expected and actual output

Towers of Hanoi AI (C++)   *May 2021*
- Wrote Towers of Hanoi Puzzle that can create puzzle's of *n* height
- Implemented an AI using A* that can solve the previously mentioned puzzle in the most efficient number of turns

Process Scheduler (C)   *December 2020*
- Developed a program that uses different scheduling algorithms to test their efficiency (Random, FCFS, SJF)
- Runtime speed ranked fastest over all submissions in the same semester

Compiler (Python)   *December 2020*
- Created a compiler supporting mathematical and logical operations using Backus-Naur Form
- Implemented a customized GUI using tkinter
- Utilized Tokens and regex to parse input

EDUCATION

California State University San Marcos   *August 2017 - May 2021*
B.S. in Computer Science   GPA 3.4, *Dean's List*

Relevant Coursework: *Data Structures, Networking, Software Engineering, Deep Learning, Artificial Intelligence, Assembly and Digital Circuitry, Programming Languages, Computer Architecture, Digital Electronics, Statistics, Calculus I & II, Linear Algebra*

SKILLS

Programming Languages:
- C/C++
- Python
- Java
- HTML/CSS

Other Skills:
- Git
- CLI
- Bash
- Unix, Windows, MacOS
- Eclipse, Visual Studio Code, Visual Studio