Zackary Sprague

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EDUCATION

Master of Engineering: Computer Science - Cyber Security   **Dec 2021**
University of Cincinnati, Cincinnati, Ohio

Bachelor of Science: Computer Science, Minor: Mathematics   **May 2020**
Northern Kentucky University, Highland Heights, Kentucky
- Member of National Honor Society of Leadership and Success
- Dean's List Senior Year

TECHNICAL SKILLS

- Python
- Java
- HTML / CSS
- JavaScript

- PHP
- SQL
- Visual Studio / JetBrains
- Microsoft Office Suite

- macOS / Linux
- Git
- IBM Cognos
- RESTful API

WORK HISTORY

Software Integration Intern / Systems Analyst   **Sept 2020 - Current**
Heritage Bank Operations Center, Burlington, Kentucky
- Using Business Analytics and IBM Cognos to create insightful reports regarding financial business needs.
- Incorporating APIs to simplify financial projects via Python.
- Develop internal web applications for the deposit and loan operations team to manage cashier checks using Python, Flask, and JavaScript (IIS to host).
- Use HuLoop to create automations for file manipulations and database backups.
- Modify and update Microsoft SQL Server and MySQL databases.
- Edit and retrieve saved backups using Veeam software.
- Create scheduled MOVEit jobs to collect reports and save to specific folders or send via e-mail.
- Maintain, configure, and upgrade user PCs, printers, servers, switches, and cameras.
- Creating batch scripts to automate user data and logging.
- Provide technical assistance and support to employees about software and hardware concerns.

Computer / Gaming Technician   **May 2020 - Sept 2020**
Blair Technology Group, Covington, Kentucky
- Repairing motherboards and/or other hardware components.
- Full building process of a gaming computer.
- Maintaining hardware and software via BIOS.

Manufacturing IT Intern   **May 2019 - May 2020**
Robert Bosch Automotive Steering, Florence, Kentucky
- Basic use of Siemens programmable logic controllers (PLC) on multiple manufacturing lines.
- Querying databases using SQL to retrieve information from the production lines.
- Resolve simple PLC issues that may occur during production.
- Replace or repair damaged PCs or any other component that may have failed.
- Use of networking to gather IP addresses for all devices on individual subnets via Profinet.
- Gathering data from the production lines and incorporating Poka to allow continuous manufacturing performance.
- Authorizing employee requests to access monitoring of line production via OIS.NET Portal.
- Team projects to discuss, analyze, and incorporate possible ideas of solutions to make manufacturing perform effectively.

PROJECTS

Portfolio Website (HTML / CSS / JavaScript)   **Apr 2020**
- Created to display more information and experiences about myself.

MLB Visualization (Python / JavaScript / Flask)   **Apr 2020**
- Created to visualize MLB standings from 1869 to current year using Chart.js.

Alteration of John Conway's Game of Life (Java)   **Jan 2020**
- Implemented a GUI (.jar) interface to show how the game is played with different controls and preloads.

Cryptography Autokey Cipher (HTML / CSS / JavaScript)   **Nov 2019**
- Allows you to encipher and decipher any text with a given key.