



Summary

Professional and dedicated Software Developer with the ability to achieve sleek and streamlined experiences. Skilled in data analysis and revising websites to improve function and usability. Successful at taking on IT and software projects from any stage of progress to completion.

Skills and Languages

- Languages: Python, PHP, MySQL, Java, Javascript, C, C++, HTML, CSS
- Software: Inventor, Autocad, OnShape, VSCode, Git, Microsoft Suite, DotCMS, Database Management, Power BI
- Machines: Epilog Laser Cutter, FDM 3d Printers, SLA 3d Printers

Education

Bachelor of Science
Bradley University, Peoria IL
Computer Information Systems
Expected June, 2024

Projects

Dungeons and Dragons Discord Helper Bot:

Created a discord D&D helper bot using Python and rest API's along with linking of an in development tabletop game.

Home Server: Home servers setup and running Ubuntu Server and the pterodactyl panel system for game and discord hosting along with home MySQL server.

Ubiquiti Network Setup: Managed implementation and rollout of upgraded Fraternity house network using Ubiquiti systems and industry grade practices.

AioTriviaPy: An async python wrapper for the Open TriviaDB Published on PyPi

ESP32 Smart Home Lights: Utilized the Adafruit Neopixel libraries and the Blynk IOT stack to create smart app controlled and automatic room lighting.

Work Experience

Caterpillar

CX-IT Corporate Intern / Peoria, IL 05/2022 to Current

- Automated Monthly Review Documents using VBA and Excel Documents
- Managed existing Power BI dashboards and created new ones
- Led Team on commercializing existing in house software

Bradley University Marketing Department

Web Developer Intern / Peoria, IL 10/2021 to Current

- Collaborated with UI and UX personnel to develop friendly and usable websites and web-based software.
- Followed internal procedures for coding standards to create reliable, reusable programming assets.

Bradley University Liberal Arts College

Web Development Researcher / Peoria IL 09/2021 to 04/2022

- Designed websites, portals and large-scale web applications following customer parameters.
- Created dynamic web apps using PHP and MySQL to suit individual client needs.

Glenn and Polly Barton Makerspace

Equipment Manager / Peoria IL 06/2020 to 06/2022

- Refurbished equipment to standardize operations across stores and save money on outside repairs.
- Responded promptly to equipment emergencies to assess situations, and coordinate further repairs to minimize downtime.

HostSapling LLC

Senior Developer / Ontario (Remote) 10/2020-08/2021

- Developed ticket management system for a customer base of over 1000 with a python API and MySQL Backend
- Built code that was robust, accurate and minimized production issues.
- Revamped server backup systems after outage caused a loss of client data
- Improved worker productivity through resource allocation

Activities

- Corresponding Secretary, Beta Pi Chapter, Phi Gamma Delta (2021-)
- Curriculum Lead and Teacher, Raspberry Pi Workshop (2021-2022)
- Board Member, Bradley University Barton Makerspace Board (2020-2022)
- Vice President/Advisor, Bradley Dungeons and Dragons Club (2021-)
- Financial Chair SABRC (2021-2022)