Ian Lulu

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Summary

Computer Science graduate with strong technical and engineering skills in information technology and software engineering. Possesses over two years of hands-on work and research experience, working with computer networking and software development among others. Passionate about learning and thrive on working in high-impact projects.

Education

Bachelor of Science in Computer Science   December 2022
University of Illinois Chicago (UIC)   *Chicago, IL*

Experience

Electrical Root Cause and Launch Support Engineer   May 2024 – November 2024
Stellantis (formerly Fiat Chrysler Automobiles)   *Auburn Hills, MI*
- Performed root cause analysis and troubleshooting on all stages of the vehicle development process for 2024 EV vehicle programs for the Jeep & Dodge brands.
- Provided direct and remote support at development labs, assembly plants, pilot build areas, and vehicle yards.
- Determined root cause by analyzing DTCs using CDA (Chrysler Diagnostic Application) and captured network logs using Vector CANalyzer + Vector network interface (CAN/LIN/Ethernet).
- Verified vehicle wiring schematics and network topologies to root cause electrical issues and wrote tickets to triage issues.
- Tested, flashed, and configured new vehicle software; verified and validated vehicle functionality.

Undergraduate Researcher   May 2022 – June 2022
Electronic Visualization Laboratory, UIC   *Chicago, IL*
- Assisted with researching APIs to connect a Unity data visualization project to the web that's interfaceable with mixed reality.
- Developed code using C#, JavaScript, and WebXR to interface a Unity program to a web application instance.
- Presented work and findings at weekly meetings to the research team for learning and feedback on project.

IT Support Specialist   January 2020 – December 2021
Technology Solutions, UIC   *Chicago, IL*
- Assisted network engineers with troubleshooting and maintaining Cisco switches and access points throughout the campus network.
- Provided on-site support regarding network issues to 100+ buildings (research labs, dorms, lecture halls, etc.)
- Managed a ticketing system (TeamDynamix) for network issues and resolved at least 7-10 support tickets per week.
- Maintained and contributed to engineering documentation of university's computer network to enhance troubleshooting efforts.

Projects

Web Development Portfolio (Personal Project)   June 2023 – Present
My personal & portfolio websites   *HTML, CSS, JavaScript*
- Developed and designed a personal website and a portfolio website using HTML, CSS, and JavaScript.
- Published and hosted personal website on `neocities.org`; has garnered over 12,000+ visits alone.
- Planning on implementing web frameworks and JavaScript libraries to improve the look, feel, and functionality of both websites.

Impact of COVID-19 (UIC Course Project)   January 2022 – May 2022
Data science group project   *Python, Jupyter Notebook, pandas, NumPy, Matplotlib*
- Collaborated in a four-person team to analyze the impact of vaccines on COVID-19 cases.
- Utilized various Python libraries to perform data analysis on COVID-19 datasets provided by WHO to synthesize a data report.
- Hosted team meetings over Discord and developed data visualizations on the WHO datasets.
- Presented the data report to entire class and answered questions from other students regarding the project.

Skills

Programming Languages: C, C++, Java, C#, Python, JavaScript, HTML, CSS, SQL, LaTeX, MATLAB, R, Scala, F#
Frameworks & Libraries: JUnit, Node.js, React, TCP/IP; pandas, NumPy, Matplotlib, CAN/LIN
Developer Tools: Git, VS Code, Eclipse, IntelliJ, Visual Studio, Bash, CLI, Jupyter Notebook, Google Cloud Platform, Docker
Software: Linux, macOS, Microsoft Windows, Adobe Photoshop, Adobe Illustrator, Adobe Premiere Pro, Autodesk Inventor
Hardware: Soldering, Arduino/Breadboard wiring, Additive/Subtractive manufacturing, Welding
Certifications: Networking Foundations: Networking Basics – LinkedIn, *February 2020*