Resume

Contact Information:

- **Name:** Chieh H Chang
- **Email:** chiehhsiungchang1@bison.howard.edu
- **LinkedIn:** https://www.linkedin.com/in/chi-c-05442a2b4/
- **Github:** https://github.com/chichang88

Summary/Objective

Accomplished technology project and systems analyst with over fifteen years of business/systems innovation experiences with demonstrated success in producing the best business and IT practices for various manufacturing, health, education and technology industries in the United States, and Taiwan.

Experienced professional in project coordination and resource management with demonstrated success in achieving project goals and building a successful infrastructure and organization. Fluent in English, Mandarin Chinese and Taiwanese.

Education:

Master of Science, Applied Data Science & Analytics, Howard University, (2023-“expected” graduation date: December, 2025)

Technical Skills:

Experienced in Windows Server and Linux management, server virtualization (VMware, Hyper-V), and networking (TCP/IP, DNS, DHCP). Skilled in security (firewalls, VPNs), system monitoring, backup, and disaster recovery. Basic scripting in PowerShell and Python; familiar with AWS, Azure, and Google Cloud.

Coursework covers Python, R, MySQL, programming languages, and data visualization tools like Tableau and Power BI and ArcGIS, and machine learning techniques like Linear Regression, Logistic Regression, and Random Forest.

Projects:

Machine learning algorithms predicting cancer associated with diabetes and hypertension: NHANES 2021 to 2023

Cancer, diabetes, and hypertension are significant global health concerns with high prevalence and mortality rates in the U.S. Epidemiological research indicates a link between type 2 diabetes, hypertension, and an increased risk of cancer, which may interact synergistically. Early prediction of cancer in these populations is crucial. Machine learning (ML) is effective at predicting complex diseases; however, current ML-based cancer risk assessments for individuals with both diabetes and hypertension, utilizing existing national data, are insufficient. This study aims to overcome this limitation by utilizing the NHANES dataset from 2021-2023, a comprehensive U.S. health resource, along with ML algorithms to evaluate cancer risk in this high-risk group. The study seeks to explore associations and develop robust ML prediction models, potentially enhancing early detection, personalized care, and public health initiatives.

Professional Experience:

Network and Computer System Administrator, HU