

EDUCATION: TEMPLE UNIVERSITY, Fox School of Business, Philadelphia, PA  
*Bachelor of Business Administration, Graduated: June 23, 2020*  
*Major: Management Information Systems*

**INFORMATION SYSTEMS PROJECTS:**

- Developed a Microsoft SQL database and interface CRUD application (PowerApps) for analytics and reporting on research studies at Temple Lung Center.
- Developed an API and web application for property rentals, using Node.js, JavaScript with jQuery, Bootstrap, MySQL.
- Conducted a penetration test of a Linux server for security vulnerabilities using Kali. Developed reports on the found exploits with recommendations on remedies according to the National Institute of Standards and Technology (NIST) guidelines.

**INFORMATION TECHNOLOGY SKILLS:**

- Analysis: Power Bi, Python, Jupyter Notebooks, Excel, Vizient Clinical Practice Solutions Center (CPSC) PowerPivot DAX
- Software Development: Python, JavaScript, PowerApps, Git/Github, Linux
- Web Development: Node.js, Flask, AWS, Google Cloud, Bootstrap, HTML, Python, PHP, Google Site, SharePoint
- Database Management: MSSQL, MySQL, PostgreSQL, Azure, pgAdmin, DBeaver, SQL Management Studio, Access,
- Project Management: Microsoft Project, Microsoft Office
- Cyber Security: Kali, Pen testing tools - Metasploit, Nessus Scan, nmap, THC- Hydra, Hashcat, John the Ripper
- Other: Hyperion

EXPERIENCE: TEMPLE UNIVERSITY, Philadelphia PA July 2015 – Present  
**Data Support Analyst**

- Support clinical and research operations at The Department of Thoracic Medicine and Surgery (Temple Lung Center) by providing analysis and data driven solutions.
- Developed monthly clinical service analysis reports for ~55 providers analyzing the billed Common Procedural Terminology (CPT) Codes.
- Automated a weekly report using python and SQL to track metrics related to open billing encounters for each provider, decreasing report turnaround time by 90%.
- Modeled and developed a database and an interface for users to view, access, enter, and update research study data containing over 50 clinical trials.
- Created a budgeting tool for grant submissions to the National Institute of Health (NIH) and DoD for multi-site clinical trials tracking 32 research sites nationally.
- Reported patient population and demographics numbers for research study feasibilities and for the marketing team using diagnosis codes (ICD10).
- Created SharePoint, Google, and Microsoft Teams sites to track project deadlines.

**SKILLS & CERTS:**

- PostgreSQL Udemy Certification