Kelly Liu

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EDUCATION

TEMPLE UNIVERSITY - Fox School of Business, Philadelphia, PA
Bachelor of Business Administration   **Graduation**: May 2025
Major: Management Information Systems | **GPA**: 3.92
Awards/Honors: MIS Case Competition 1st Place, Dean's List: Fall 2021, Fall 2022 – Spring 2024
Case Competition: Black Wings Hacks 2024, Capital One x CFA CaseComp (Semi-Finalist)

EXPERIENCE

KYNDRYL, Dallas, TX   June 2024 – August 2024
Tech Developer and Engineering Intern, Data Engineering Team
- Leveraged Python for data parsing, collaborating on a Cisco switch solution that optimized equipment purchases and reduced costs by identifying unused ports, and a Brocade switch solution that guided updates and reduced maintenance overhead
- Automated workflows for Cisco and Brocade switches using Ansible, tested and deployed on a Red Hat Enterprise Linux (RHEL) Jump Host, and created data visualizations in Power BI to enhance efficiency and support data-driven decision-making

TEMPLE UNIVERSITY, Philadelphia, PA   January 2023 – Present
Database Programmer, Center for Biodiversity
- Transformed the user interface and functionality of lab and database websites by modifying front-end and back-end components using SQL, HTML, CSS, JavaScript, PHP, and Python, creating a more user-friendly and efficient platform.
- Organized a comprehensive overhaul of the lab and database websites, significantly improving their overall appearance and functionality. Enhancements included modernizing the design, streamlining navigation, and updating the database, ensuring that the websites remain current and accessible to users

Information Technology Assistant, Management Information Systems Department
- Assisted students in developing projects with AWS, JavaScript, jQuery, NodeJS, HTML, CSS, and APIs, enhancing their understanding and practical skills in web development and cloud computing
- Guided the creation of Tableau visualizations, Swim Lane diagrams, and Entity-Relationship diagrams, helping students effectively visualize data and design system models

PROJECTS EXPERIENCE

Emotion Insight, Web Service Programming | YouTube   April 2024 – May 2024
- Collaborated on developing an innovative educational tool for children with Autism Spectrum Disorder (ASD) and visual impairments, integrating real-time emotional recognition, live image capture, auditory descriptions, and an administrative dashboard for enhanced functionality
- Integrated JavaScript, HTML, CSS, jQuery, NodeJS/Lambda, MySQL, and AWS S3 to ensure robust online accessibility and user-friendly interface design

Application Programming Interface (API) Project, Web Application Development   April 2023
- Developed a web application from scratch, employing HTML, CSS, and JavaScript, with integrated GET and POST HTTP requests to enhance user interactivity and data manipulation
- Utilized NYC Open Data to analyze and highlight primary causes of death among Asian and Pacific Islander Women in 2019, facilitating valuable insights for targeted intervention in affected regions

ACTIVITIES

Member, Peer Mentor, Treasurer, Association for Information Systems   January 2022 – May 2024
Robotics and Coding Leader, Philadelphia Heights   September 2022 – May 2023

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, HTML, CSS, jQuery, PHP (basic), C++ (basic), Linux Command
Database Management: SQL, NoSQL (MongoDB), Vertabelo, Salesforce, Pandas, Matplotlib, Jupyter Notebook, Tableau, Power BI
Project Management: Microsoft Word, PowerPoint, Excel, Figma, Git
Cloud Platforms: Amazon Web Services (EC2, S3, CloudFront, RDS, DynamoDB, Lambda), Azure, Google

CERTIFICATIONS

Microsoft: Azure Fundamental | Microsoft: Azure Data Fundamental | Microsoft: Azure AI Fundamental | AWS: Cloud Practitioner | Google: Cloud Digital Leader