

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:** 3.93 | **Major GPA:** 4.0

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

TEMPLE UNIVERSITY, Philadelphia, PA

January 2023 – Present

Infrastructure Intern, Information Technology Services

- Automated virtual machine creation using RedHat Enterprise Linux and RedHat Ansible Automation Platform, streamlining deployment processes and reducing manual effort
- Developed Python scripts to parse data from web forms, significantly improving efficiency in data extraction and management

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

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

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 using HTML, CSS, and JavaScript for enhanced interactivity and data manipulation
- Analyzed NYC Open Data to identify key causes of death and provide insights for targeted intervention

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