Hannah Joseph

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EDUCATION & CERTIFICATION

Temple University Philadelphia, PA
Bachelor of Science, Biology Graduated: 05/2024
Cumulative GPA: 3.58
Relevant Coursework: Global Change Science: Analytics with R, Biostatistics, Deep Learning for the Life Sciences, Elements of Data Science

Montgomery County Community College Blue Bell, PA
Associate of Science, Life Sciences Graduated: 08/2021
Cumulative GPA: 3.6
Relevant Coursework: Microbiology, Anatomy & Physiology I, Medical Terminology

Google Data Analytics Professional Certificate Issued: 08/2024
Coursera

- Gained skills in data cleaning, analysis, and visualization using tools such as Excel, MySQL, and Tableau to make data-driven decisions

TECHNICAL SKILLS

Programming: R, Python, JavaScript, MySQL, HTML, ArcGIS
Platforms and Tools: RStudio, Juptyer Notebook, Tableau, Google BigQuery, phpMyAdmin, cPanel, WordPress

PROFESSIONAL EXPERIENCE

Research Technician and Lab Manager 08/2024 – Present
Integrative Ecology Lab (iEcoLab), Philadelphia, PA

- Developing transport risk web applications to visualize and monitor map locations that are considered likely to spread invasive species depending on their spread mechanisms and feeding preferences
- Communicating with stakeholders to provide feedback and inquiries of web applications
- Fine-tuning slfDashboard applications to prevent errors using cPanel
- Updating iEcoLab website hosted on WordPress with publishing lab news, publications from Principal Investigators, adding new lab members, and fixing bugs and errors using HTML
- Participating in surveying spotted lanternfly *(Lycorma delicatula)* presence on Temple University's main campus
- Managing lab operations and inventory, assisting undergraduate students, and ensuring compliance with EHRS guidelines

Undergraduate Research Assistant 01/2024 – 07/2024
Integrative Ecology Lab (iEcoLab), Philadelphia, PA

- Implemented a Large Language Model (SLF-GPT) through OpenAI for the early detection and management of spotted lanternfly populations
- Assisted graduate student's research project by annotating photographs of tropical spotted lanternfly (*Enchophora sanguinea)* using I3S Software

Virtual Medical Scribe 03/2022 – 08/2022
ProScribe LLC, San Antonio, TX

- Documented provider and patient interaction onto an Electronic Medical Record (EMR) through HIPAA compliant application and facilitated training to scribes to accurately document provider and patient interactions