Kevin Hoffman

kevohoffman@gmail.com | (215) 970-4839 | www.linkedin.com/in/kemhoffman

EDUCATION

Ursinus College May 2023
B.S. in Computer Science, Artificial Intelligence **GPA: 3.99**
Awards: Salutatorian, Phi Beta Kappa, Faculty Prize for Computer Science
Relevant Coursework: Artificial Intelligence, R for Data Science, Applied Regression Models, Data Structures & Algorithms, Theory of Computation

EXPERIENCE

NLP Intern, **TDI Novus**, Philadelphia, PA Mar 2022 – Present

- Achieved an additional 15% classification accuracy on an NLP intent classification model by factoring in prior intents to recognize conversational history.
- Co-formulated navigation planning algorithm in Python for on-water transportation which improved reliability of generated plans by 30%.
- Constructed CI/CD pipeline with Docker and PyTest to streamline the process of software version control which quickly became adopted into production.

Machine Learning Intern, **Verif-y**, Philadelphia, PA Jun 2021 – Sep 2021

- Automated academic transcript text extraction process via AWS Textract to reduce time spent on analyzing 1,000 transcripts from 5 hours to 45 minutes.
- Remodeled text extraction pipeline using AWS pipelines to complete data processing and storage 50% quicker.
- Presented weekly progress through formal reports to team alongside demonstrative figures and bolstered collective understanding.

RESEARCH

Lead Researcher, **NVIZ**, Professor William Mongan Oct 2022 – Present

- Directed the production of a web application to make neural networks more accessible to the general population.
- Reimagined the visualization of neural networks through Sankey diagrams and demonstrated the *flow* of neural networks to audience.
- Facilitated A/B testing of user ability to navigate the application and reduce cognitive load by 25% through UI/UX techniques.

Research Assistant, **RFID Localization**, Professor William Mongan Feb 2020 – May 2022

- Managed a team of 4 in implementing, documenting, and testing new antenna driver software to gain 20% more data resolution.
- Programmed visualizer to analyze signal strength of RF transmitter as position changed which was used for academic presentations.

LEADERSHIP ROLES

Teaching Assistant, **Ursinus College**, Collegeville, PA

- Hosted review sessions for statistics on exam topics which fostered an inclusive environment for creative and diverse thought despite remote settings.
- Provided grades and constructive feedback on assignments by pointing out excellent work and areas to improve upon to advocate for student success.

Tutor, **Ursinus College,** Collegeville, PA

- Assisted several students in Data Structures & Algorithms by breaking up assignments and delegating smaller tasks that enabled the students to persevere.

SKILLS

Technical: Python, JavaScript (Node.js, Svelte), R, Java, C++, Docker, Git, AWS, Scrum/Agile
Languages: Spanish (Conversational), Hindi (Beginner)