Natalie Hill

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EDUCATION

MASTER OF SCIENCE, COMPUTER SCIENCE

University of Oklahoma   **GPA: 4.00/4.00**

Relevant Coursework: Machine Learning, Artificial Intelligence, Blockchains & Cryptocurrency

BACHELOR OF SCIENCE, COMPUTER SCIENCE

University of Oklahoma   **GPA: 3.70/4.00**

Relevant Coursework: Linear Algebra, Calculus I-IV, Database Management, Operating Systems, Algorithm Analysis
Honors: President's Honor Roll, Dean's Honor Roll, AI/ML Scholar, MRE Leadership Scholar, Dorothy Grace Scholar

PROFESSIONAL EXPERIENCE

VAST VERTEX   New York City, NY
Technical Product Manager, AI   **Apr 2024-Present**

- Researched and identified software to integrate with systems and enhance products.
- Aided in strategic business model development strategies to successfully market and sell our innovative product.
- Collaborated with cross functional teams to integrate product features together, increasing overall efficiency.

DAVAI – DRUG ANALYSIS AND VALIDATION USING AI   Norman, Ok
Technical Product Lead, Data Solutions   **Jan 2024-May 2024**

- Automated data scraping solutions to retrieve and vectorize over 500k+ open-access research papers into RAG database.
- Used NLP models and prompt engineering to extract relevant material for drug development and research projects.
- Collaborated with cross-functional teams to enhance data retrieval, AI, and user-interface systems, improving research methods and operational efficiency.

DCI CONSULTING   Washington D.C.
Software Engineer Intern   **Jan 2023-Jan 2024**

- Redesigned data analytics algorithms to use R.net packages increasing system efficiency and reducing processing errors by 15%.
- Developed API integrations to streamline data flow between internal and client systems.
- Created and improved front-end interfaces to ease user interaction with data analytics systems, improving overall usability.

INTELEK TECHNOLOGIES   Norman, Ok
Software Engineer Intern   **Jul 2022-Jan 2023**

- Automated data transformation processes, reducing operational times and supporting the company's scalability.
- Implemented data visualization tools to identify operational inefficiencies, informing strategic adjustments and process reengineering.
- Took initiative to write custom scripts to automate repetitive tasks across various departments, enhancing team productivity.