KOBE COLEMAN

✉ kbclmn474@gmail.com ✆ 724-766-5075 🌐 https://kobecoleman.netlify.app/ ⃝ https://github.com/ColemanKobe
in https://www.linkedin.com/in/kobe-coleman/

EDUCATION

Allegheny College - *Meadville, PA*   **Anticipated Graduation Date: May 2023**
Bachelor of Science in Computer Science
Summa Cum Laude   **GPA: 3.9/4.0**
Minor: Music Theory

Senior Thesis: *"Digital Prophet: Predictive Analytics of Time Series Datasets Using Hyperparameter Optimization"*
- Perform predictive analytics on time series data sets with neural networks to identify the most optimal hyperparameters
- Utilize Optuna package with PyTorch for running simulations of long short-term memory models

Distinguishments

Computer Science Outstanding Junior Major Prize (Awarded for exceptional academic achievement and contribution to dept.)	**May 2022**
Computer Science Faculty Prize (Awarded for exceptional academic achievement and contribution to dept.)	**May 2023**
Distinguished Alden Scholar (Academic honor for maintaining a 3.80 or higher GPA)	**August 2019 - May 2022**
Trustee Scholar (Merit-based award)	**August 2019 - May 2023**
Edith Mead Osborne Memorial Award (Awarded for showing marked musical ability)	**May 2023**
Zingale Big Idea Competition Winner (Awarded for being first place in a business pitch competition)	**May 2023**

Relevant Coursework

Artificial Intelligence, Computational Expression, Algorithm Analysis, Data Analytics, Operating Systems

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SOFTWARE DEVELOPMENT EXPERIENCE

Technical Leader - Computer Science Dept., *Allegheny College*   **September 2021 - May 2023**
- Hold weekly office hours to support students' academic progress in introductory and intermediate computer science courses
- Assist 10-15 students weekly in successfully completing class activities and assignments
- Attend meetings to receive performance feedback and provide updates
- Submit an after visit summary to professor to further inform the development of instruction and curriculum

Software Engineer Intern - *Acutec Precision Aerospace Inc.*   **September 2021 - December 2021**
- Created a .NET library that manages Work Instructions, a system that relays operational details to operators on the shop floor
- Simulated the Work Instructions system by mocking a database
- Created functions that manipulate the database using the LINQ construct by adding, deleting, and updating different aspects of the database
- Performed unit testing using the NUnit framework

Capstone Project Intern - *NetApp*   **January 2021 - May 2021**
- Implemented front-end data search and query features in a React Swagger UI application
- Filtered endpoints and models in real-time based on the content of the search box
- Ranked endpoints based on regular expression matches in the path and description of the endpoint and used functions from the Immutable.js library

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LEADERSHIP

President - Chess Club, *Allegheny College*   **January 2022 - May 2023**
- Manage the internal and external functions of the organization including but not limited to budget management, event planning, inventory management, membership, etc.
- Hold meetings to plan campus wide events, allocate responsibilities across marketing efforts, and maintain an up to date budget

Mentor - S-STEM (Scholarships in Science, Technology, Engineering, and Mathematics)   **September 2022 - May 2023**
- Selected into a grant-awarded National Science Foundation program to provide mentorship to students with holistic needs and resources to increase their sense of belonging in STEM fields and positively influence their academic performance and career choices
- Successfully completed leadership training to assist students from a best practices approach

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SKILLS

Programming Language(s) : Python(*advanced*), C#*(working knowledge)*, Java (*intermediate*), R(*intermediate*), Javascript (*beginner*)
Deep Learning Frameworks: TensorFlow (*intermediate*), PyTorch (*intermediate*), Optuna (*working knowledge*)
Programming Libraries: OpenCV (*working knowledge*), Scikit (*working knowledge*), Numpy (*intermediate*) , Pandas (*intermediate*), Typer (*beginner*), Immutable.js (*intermediate*), Matplotlib (*beginner*), React.js (*beginner*)
Configuration Management: Git (*advanced*), Docker (*intermediate*)
Tools: Poetry (*advanced*), Pytest (*advanced*)
Web Frameworks: Streamlit (*intermediate*), Netlify (*beginner*)