

KOBE COLEMAN

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EDUCATION

Allegheny College - Meadville, PA
Bachelor of Science in Computer Science
Summa Cum Laude
Minor: Music Theory

Graduation Date: May 2023

GPA: 3.9/4.0

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

SOFTWARE DEVELOPMENT EXPERIENCE

Application Developer - BNY

August 2023 - Present

- Ensure proper access to third-party vendor applications that pertain to internal audit work, such as Teammate+ and ExtraView
- Enhance the UI of ExtraView to best fit the philosophy of the audit process dictated by upper management
- Construct and customize reports of ExtraView records that are presented to the audit committee.
- Modify audit processes in the RCM library in Teammate+ so they are accurately reflected in the internal audit portal.

Technical Leader - Computer Science Dept., Allegheny College

September 2021 - May 2023

- Successfully assisted 10-15 students weekly in completing class activities and assignments
- Provided exceptional support to students during weekly office hours
- Contributed to the development of instruction and curriculum by submitting detailed after visit summaries to professors
- Attended meetings to receive performance feedback and provide updates

Software Engineer Intern - Acutec Precision Aerospace Inc.

September 2021 - December 2021

- Developed a .NET library that streamlined the Work Instructions system by managing operational details relayed to operators on the shop floor
- Successfully simulated the Work Instructions system by mocking a database
- Efficiently manipulated the database using the LINQ construct
- Ensured high-quality code by performing unit testing using the NUnit framework

Capstone Project Intern - NetApp

January 2021 - May 2021

- Improved the user experience of a React Swagger UI application by implementing front-end data search and query features
- Significantly reduced endpoint search by filtering endpoints and models in real-time
- Optimized endpoint ranking by using functions from the Immutable.js library to rank endpoints based on regular expression matches in the path and description of the endpoint.

LEADERSHIP

President - Chess Club, Allegheny College

January 2022 - May 2023

- Manage organization functions including 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

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*)