**Hunter Stewart**

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**EDUCATION**

**Indiana University** | Bloomington, IN May 2024

**Luddy School of Informatics, Computing, and Engineering Cumulative GPA: 4.00/4.00**

*Bachelor of Science in Computer Science*

**Specialization**: Artificial Intelligence

**College of Arts and Sciences**

*Bachelor of Science in Mathematics*

**Honors**: Luddy School of Informatics, Computing, and Engineering Dean’s List, College of Arts and Sciences Executive Dean’s List, Hutton Honors Society, Direct-Admit to Luddy School of Informatics, Computing, and Engineering

**Scholarships**: Cora B. Hennel Memorial Scholarship, Marie S. Wilcox Scholarship, Luddy Accelerator Scholarship, IU Provost Scholarship, IU Hutton Honors Scholarship, Luddy Direct-Admit Scholarship

**WORK EXPERIENCEIndiana University** | Bloomington, IN August 2022-December 2022

*Undergraduate Grader*

* Taught 50-60 students in Mathematics by providing extensive comments on their work.
* Demonstrated flexibility by responding to students concerns and questions regarding the material and grading of the course.
* Enforced strict guidelines regarding academic integrity by reporting all instances of suspected academic dishonesty.

**Subway** | Westville, IN May 2021-August 2021

*Line Worker*

* Assisted customers by providing customer service and advertising new sandwiches.
* Collaborated with 2-3 employees during the lunch and dinner rushes, demonstrating an ability to work well under pressure.
* Supervised closing the restaurant, ensuring the amount the store earned each day was accurately recorded and met expected requirements.

**TECHNICAL SKILLS**

**Languages**: Python, Java, C

**Platforms**: Microsoft Windows, Linux

**Web Development**: HTML/CSS, JavaScript

**Miscellaneous**: Microsoft Office, Adobe Photoshop, Adobe Illustrator

**PROJECTS**

**Principles of Machine Learning** | Bloomington, IN January 2023-February 2023

*Wine Classifier*

* Developed a model in Python which takes an input of 13 chemical features of wines produced in Italy and predicts the cultivar the wine was derived from.
* Utilized a combination of NumPy and Pandas to implement a multilayer perceptron model from scratch, featuring stochastic gradient descent for backpropagation and customizable hyperparameters.
* Drafted a report describing methods of improving performance through overfitting detection and comparing performance with an SVM model created with scikit-learn.

**Intro to Artificial Intelligence** | Bloomington, IN October 2022-December 2022

*Hasami Shogi AI Player*

* Cooperated with 3 other students to develop a Hasami Shogi implementation and AI player in Python.
* Implemented variations of both the Monte Carlo Tree Search algorithm and a Minimax algorithm with alpha-beta pruning from scratch to determine the optimal move.
* Used a system of top-down dynamic programming to determine if any given move has already been optimally calculated to avoid redundant calculations.