

Zachary Pelley

Bachelor's Degree – Computer Science

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Objective Statement

An analytical thinker interested in using large datasets to inform decision making, as well as advancing the interplay between data science and AI.

Education

University of Mass. Lowell 2022

BS Computer Science, *Focus: Data Science*

Relevant Classes:

Database Design & Implementation,
Computing Architecture, Discrete Structures,
Advanced C++, Computing Languages Organization

Technical Skills

Technologies

Pandas, TensorFlow, Linux, Windows,
Visual Studio Code, Github. Apache

Standards & Process

Agile, GitFlow

Programming Languages

C++, Python, Java, HTML, SQL, PHP

Notable Projects

Classwork

Bookstore Database

- Programmed using HTML, PHP, with SQL database
- Created a bookstore website that stores user information in a database

Mushroom
AI

- Programmed in Python
- Designed a neural network to predict if a mushroom is edible
- Binarized a mushroom dataset of 8248 entities with 121 attributes for training and testing sets

Gene Matcher

- Programmed in C++ using OOP approach
- Matched two strings of genomes with the least amount of editing distance

Personal Work

Color Detection Program

- Programmed using Python
- Pandas and OpenCV used to identify the RGB value and number of pixels across the image