

Zachary Pelley

Bachelor's Degree — Computer Science

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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
Spring 2022

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

Gene Matcher
Fall 2021

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

Mushroom AI
Fall 2022

- Programmed in Python
- Design a neural network to predict if a mushroom is edible or not
- Binarize a mushroom dataset of 8248 mushroom with 121 attributes then split into train and test sets

Personal Work

Color Detection Program
Summer 2021

- Programmed using Python
- Pandas and OpenCV used to identify the RGB value across the image and then displays a graph of the colors

Work Experience

Chipotle Mexican Grill
Reading, MA
Line Cook,
Summer 2018 - Fall 2021

- Accustomed to an intensive work environment
- Optimizes output by clearly communicating with staff
- Maintains extensive food safety and quality regulations