RYAN LAZZARESCHI

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OBJECTIVE

Highly motivated third year computer science student at UC Davis seeking a challenging position to leverage my technical skills and become part of a dynamic team that contributes to the company's advancement and aids my personal and professional growth. Strong foundations in algorithms and logic.

EDUCATION

University of California, Davis   *September 2018 - Present*
B.S. in Computer Science   *Expected Graduation Date: June 2021*
GPA – 3.95

EXPERIENCE

CS4K – Computer Science for Kids   *January 2020 - Present*
- Introduced elementary students to computer science by teaching Scratch to build simple games
- Designed kid-friendly curriculum covering basic CS topics including variables, conditionals, loops, etc.

S&P 500 Visualizer   *March 2020*
- Built a JavaScript data visualizer using the Alpha Vantage API to illustrate recent market volatility for S&P 500 sectors and stocks in response to COVID-19
- Utilizes D3 library to produce dynamic and interactive data visualizations

Sorting Algorithms Visualizer   *June 2019*
- Created a C++ app using the SFML library that provides visual representations of various sorting algorithms
- Implemented Merge Sort, Quicksort, Insertion Sort, Selection Sort, and Bubble Sort

Neuroevolutionary Flappy Bird   *July 2018*
- Implemented a Java application that mimics the Flappy Bird game
- Constructed my own neural network to play the game and be trained via neuroevolution
- Simulates evolution using a genetic algorithm, allowing the user to train a machine learning model

ACHIEVEMENTS AND AWARDS

Dean's Honors List   *Fall 2018, Spring 2019, Fall 2019, Winter 2020, Spring 2020*
Achieved a GPA in the upper 16% of my class in the College of Letters and Science

Science Honors   *June 2018*
Recognized as one of four distinguished students in my high school graduating class of 500 students to display excellence in the sciences

RELEVANT COURSEWORK

Object Oriented Programming, Data Structures, Algorithm Design and Analysis, Computer Architecture, Linear Algebra, Theory of Computation, Web Programming, Artificial Intelligence, Computer Vision

SKILLS

Languages: C++, JavaScript, HTML/CSS, Python, Java, MATLAB
Technologies: React, Node, Express, D3.js, SQL