Jeremy Taraba

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EXPERIENCE / PROJECTS

Personal Website
Planned, designed, and built my own personal website. Built with HTML, CSS, JavaScript, and Bootstrap and hosted on GitHub pages.
https://jeremytaraba.github.io

Dance Dance Revolution inspired AVR project
Used a breadboard, microcontroller, and Atmel Studio 7. Experience with wiring and coding in C for a *Dance Dance Revolution* game projected onto an LCD.
https://drive.google.com/open?id=1yhQUjG8UPGmm7BxHoyuURRvKpivUWXFIWWqP6YENBIE

Money Managing Application
Worked in a team, following a Scrum development cycle to create a web application for managing money. Used React and JavaScript for graphs of spending history and budgeting. Used Firebase for user authentication and as a database.
https://github.com/jaeeee/Piggy-Bank

Open Source Testing on Libgdx
Wrote tests in Java for Libgdx, an open source video game creation framework. Used jacoco and PIT to find and update inefficient tests and increase code coverage.
https://github.com/JeremyTaraba/libgdx/tree/cs182test/gdx

8-Puzzle Problem
Used the principles of Artificial Intelligence to solve the 8-puzzle problem invented by Noyes Palmer Chapman. Used algorithms such as A* with Euclidean Distance heuristic, A* with Misplaced Tile heuristic, and Uniform Cost Search.
https://github.com/JeremyTaraba/Project_In_AI/tree/master/Project1

Data Feature Selection
Classified 1000 data points based on their features and their nearest neighbor. Returned the most useful features needed to classify the data. This works by using a Nearest Neighbor Classifying algorithm, Forward Search and Backward Search Algorithm, and Leave-one-out Validator.
https://github.com/JeremyTaraba/Project_In_AI/tree/master/Project2

HOBBIES

In my free time I enjoy baking sweet treats for my family and friends, learning hip hop dance routines, and creating art in Photoshop.

EDUCATION

University of California, Riverside
Computer Science, B.S.
Expected Graduation: June 2021
GPA: 3.59

SKILLS

Proficient	Familiar
C	HTML, CSS, JS,
C++	Python, Java
GIT	Mac, Unix
Windows	Scrum

ACTIVITIES

Aerospace Systems of UCR
Spring 2019 – Present
Working with a team to program components in a rocket

UCR Programming Competition
February 2020
Worked in a team to solve timed coding problems against other teams

Operation Christmas Child
December 2019
Processed Christmas boxes to be sent out to third world countries

BCOE MESA School Programs
February 2019
Judged physics projects presented by Highschool students

Anaheim Evangelical Church
Summer 2018 & 2019
Vacation Bible School group leader and crafts leader

Vietnamese Alliance Youth
Summer 2017, 2018, 2019
Small Group leader and choreographed dance helper