

## 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. Any variation of this problem can be typed in and solved if it is solvable.

[https://github.com/JeremyTaraba/Project\\_In\\_AI/tree/master/Project1](https://github.com/JeremyTaraba/Project_In_AI/tree/master/Project1)

### Data Feature Selection

Program that classifies thousands of data points based on their given features and their nearest neighbor. It returns the most useful features needed to classify the data which can be used to create an AI for identifying similar data.

[https://github.com/JeremyTaraba/Project\\_In\\_AI/tree/master/Project2](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, practicing guitar, and creating art in Photoshop.

## EDUCATION

University of California, Riverside  
Computer Science, B.S.

Expected Graduation: March 2021

GPA: 3.59

## SKILLS

### Proficient

C

C++

GIT

Windows

### Familiar

HTML, CSS, JS,

Python, Java, C#

Mac, Unix

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