

Dahlia La Pommeray

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EDUCATION

University of Central Florida

Bachelor of Science in Computer Science and Minor in Dance

- NACME Scholar

Orlando, FL

08/2021 – 05/2023

University of Florida

Bachelor of Science in Computer Science and Mathematics

- Relevant Coursework: Software Engineering, Computer Organization & Design, Performant Programming in Python, Data Structures & Algorithms, Engineering Statistics, Programming Language Concepts

Gainesville, FL

08/2019 – 05/2021

TECHNICAL PROJECTS

Sickulator Disease Simulator

Python, Rust

06/2021 – 08/2021

- Simulated spread of disease in small city using PyGame and Numpy
- Constructed realistic tile-based community using Tiled for agents' daily life
- Collaborated in algorithm and decision-making logic for scheduling and pathing of agents' daily routines

Seasoned MERN Application

JavaScript, React, Node.JS, REST API

09/2020 – 02/2021

- Implemented user login authentication system with React hooks and states, Passport, and JWT
- Stored user and recipe data in MongoDB database with routers that GET and POST successfully
- Utilized Edamami API to retrieve recipe listings based on ingredient queries

SFML Minesweeper Application

C++, SFML external library

11/2019 – 12/2019

- Utilized SFML external library to create UI with sprites that mimicked Minesweeper game
- Embedded recursive functions to reveal tiles and determine win/loss conditions
- Organized tile data in doubly linked lists and loaded consistent default test boards with given specified data

WORK EXPERIENCE

University of Florida

Undergraduate Research Assistant

Orlando, FL

09/2021 – 07/2022

- Research, design and develop an interactive technology application for students to take a customizable online personality and skill assessment

University of Florida

Undergraduate Teaching Assistant for CEN3031- Software Engineering

Gainesville, FL

01/2021 – 05/2021

- Led discussion labs once a week to teach students software engineering principles and full-stack development
- Managed the relationship between student teams and real clients, adapting projects based on the teams' abilities

Gymnastics USA

Recreational Gymnastics Coach

Winter Garden, FL

07/2017 – 05/2019

- Coached gymnastics at the preschool, intermediate and advanced level to children ages 5 to 15, providing proper spotting while maintaining an updated and expansive skill knowledge
- Innovated Mommy & Me program with interactive activities to ensure mastery of motor and gymnastics skills

LEADERSHIP EXPERIENCE

UF Dancin' Gators

Choreographer

Gainesville, FL

01/2020 – 05/2020

- Created challenging and intensive choreography at the intermediate/advanced level for aspiring dancers

TECHNICAL SKILLS

Languages: Java, C++, JavaScript, Python, R, Swift, HTML/CSS

Technologies & Frameworks: Express.JS, Bootstrap, Git, OOP, SQL, MongoDB, ReactJS